



Dragados | Flatiron | Shimmick

Proposal for
**Design-Build Services for
CONSTRUCTION PACKAGE 2-3**

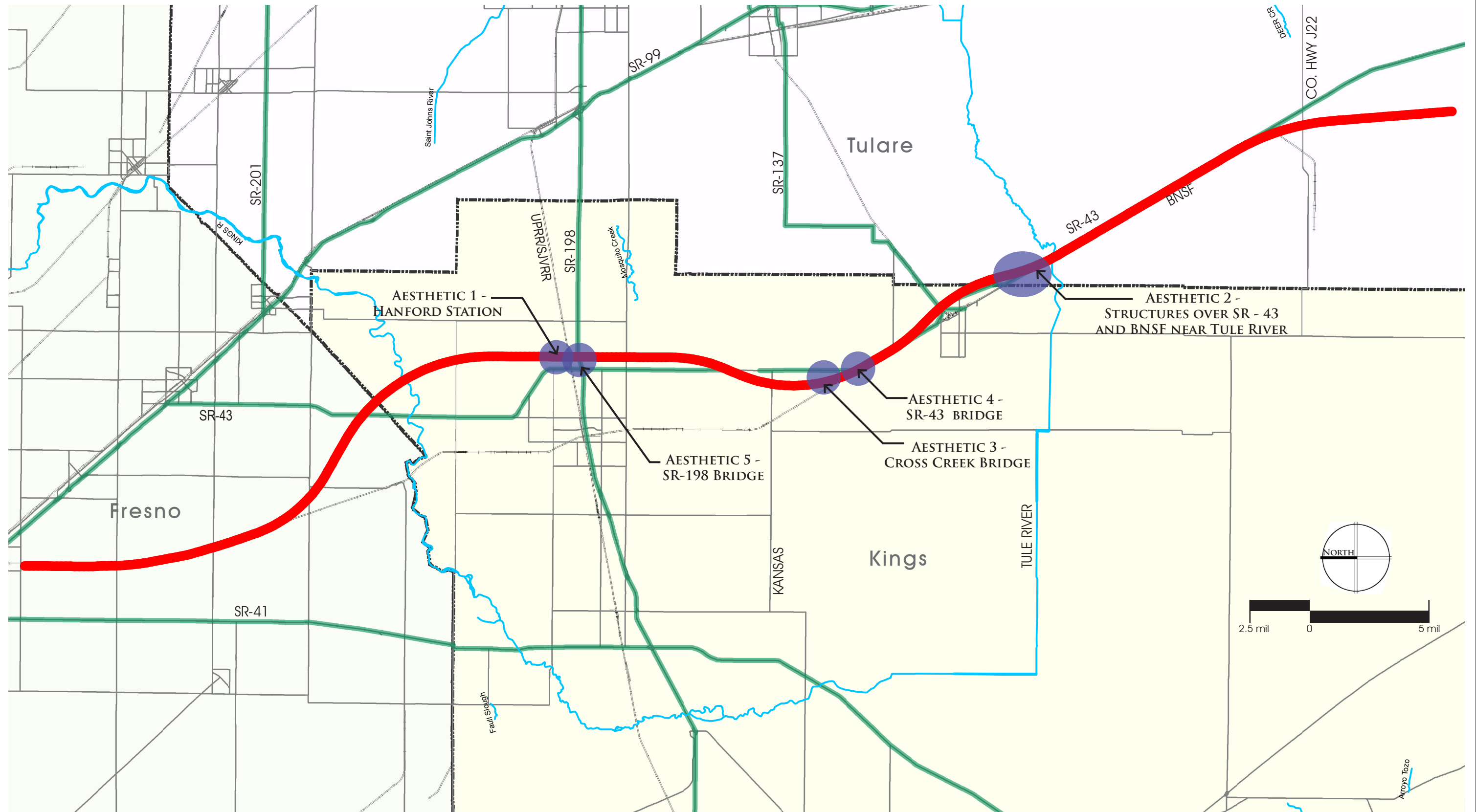
RFP NO.: HSR 13-57

Appendix



CALIFORNIA
High-Speed Rail Authority





LOCATION OF AESTHETICS ENHANCEMENT

CALIFORNIA HIGH-SPEED RAIL
DESIGN CONCEPTS

OCTOBER 30 2014

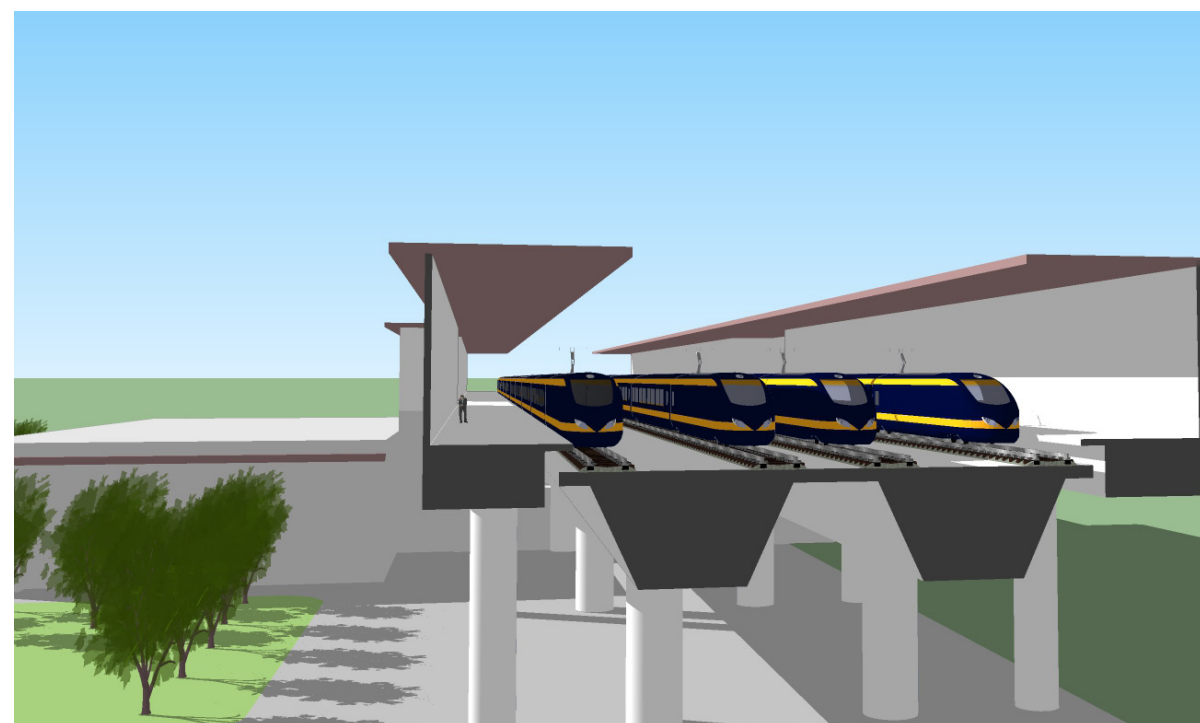
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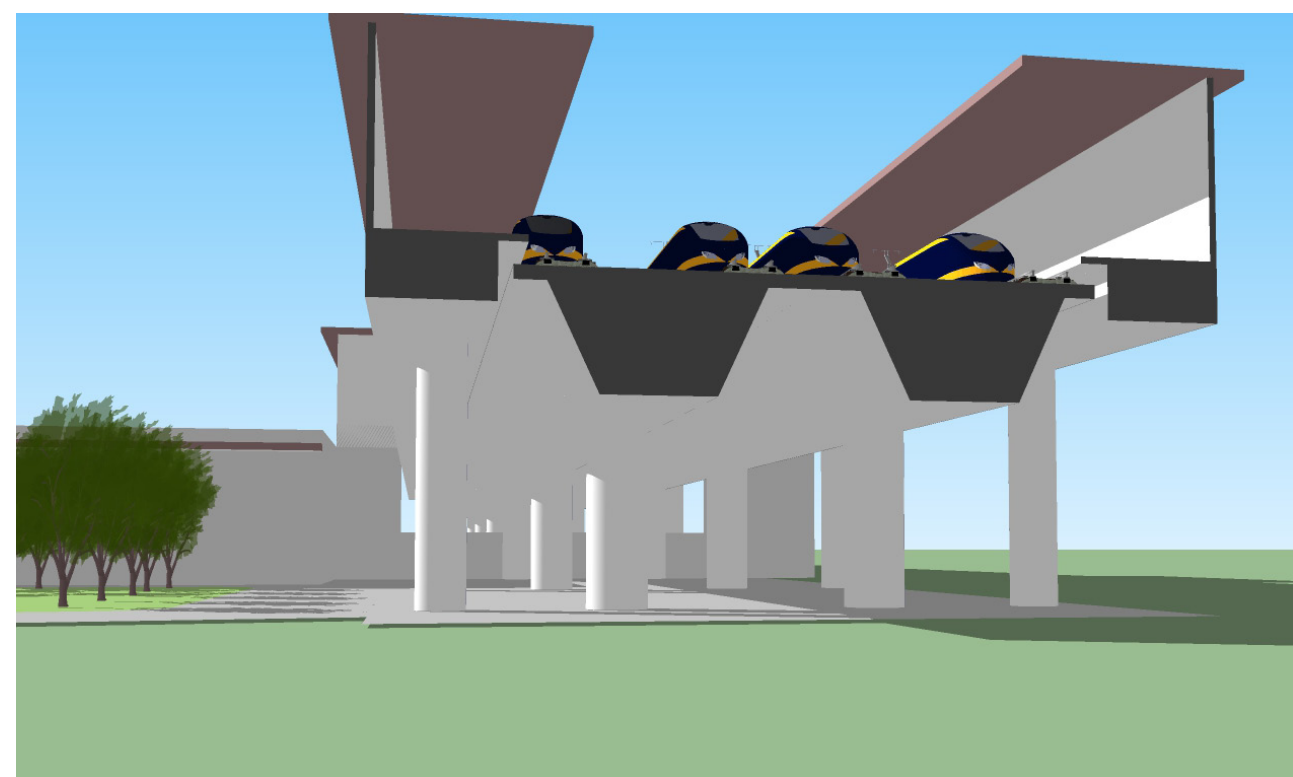
STATION PLAN



STATION FRONT PERSPECTIVE



PLATFORM PERSPECTIVE



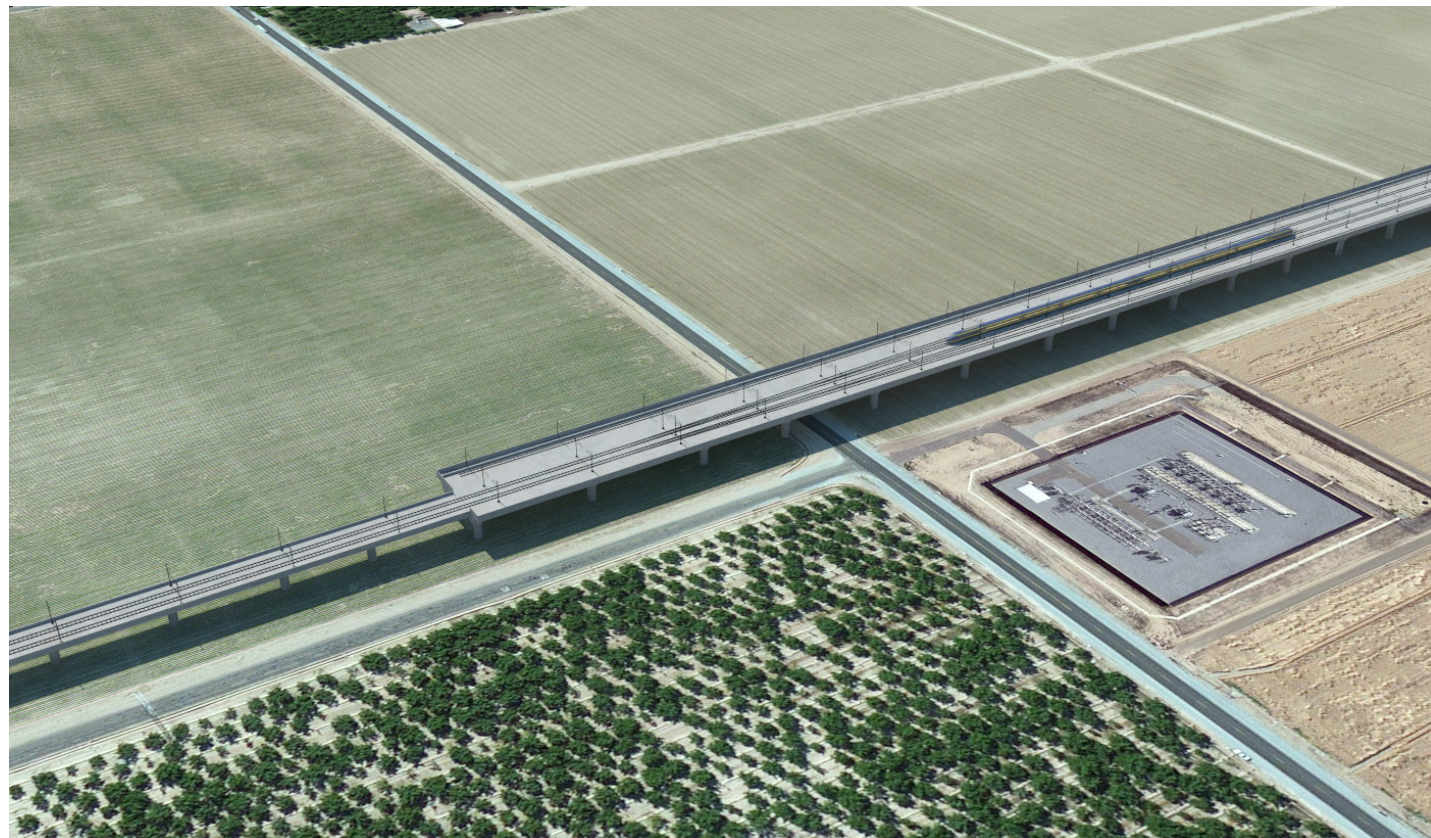
UNDERNEATH PLATFORM PERSPECTIVE

AESTHETICS 1 - HANFORD STATION RFP PROPOSED

CALIFORNIA HIGH-SPEED RAIL
DESIGN CONCEPTS

OCTOBER 30 2014

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GRANGEVILLE BLVD.
UNDER HSR



SAN JOAQUIN VALLEY RAILROAD
UNDER HSR



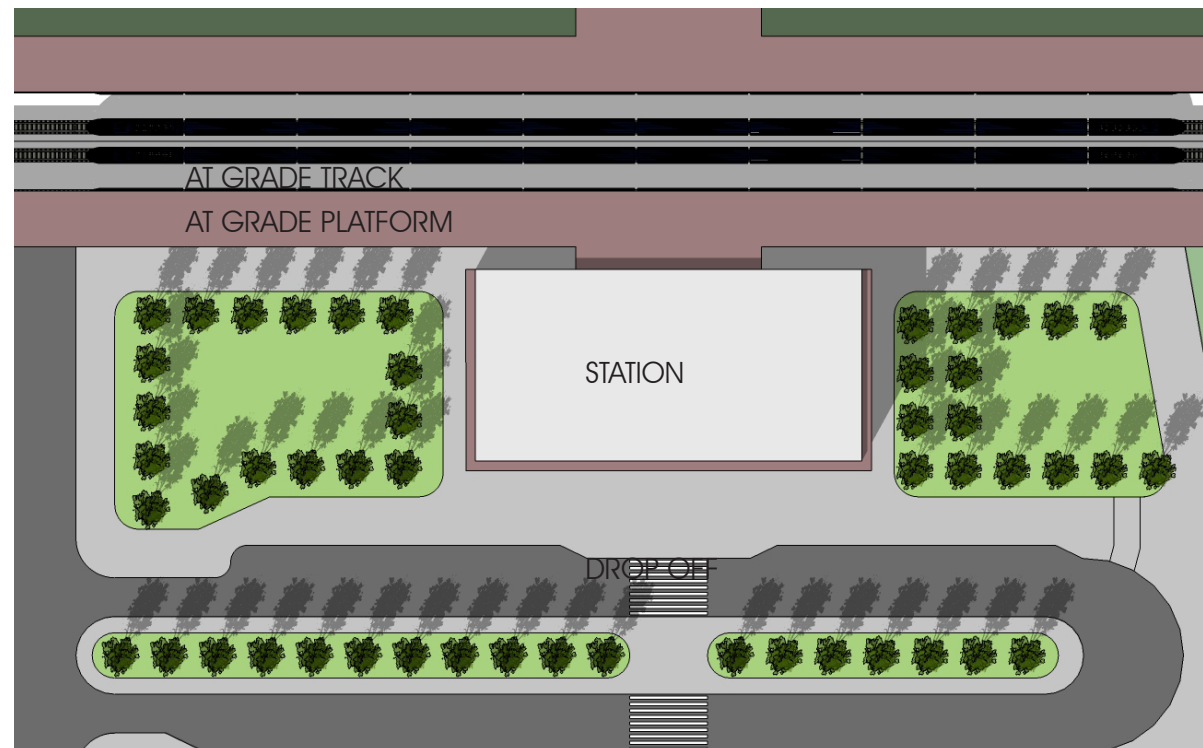
SR-198 UNDER HSR

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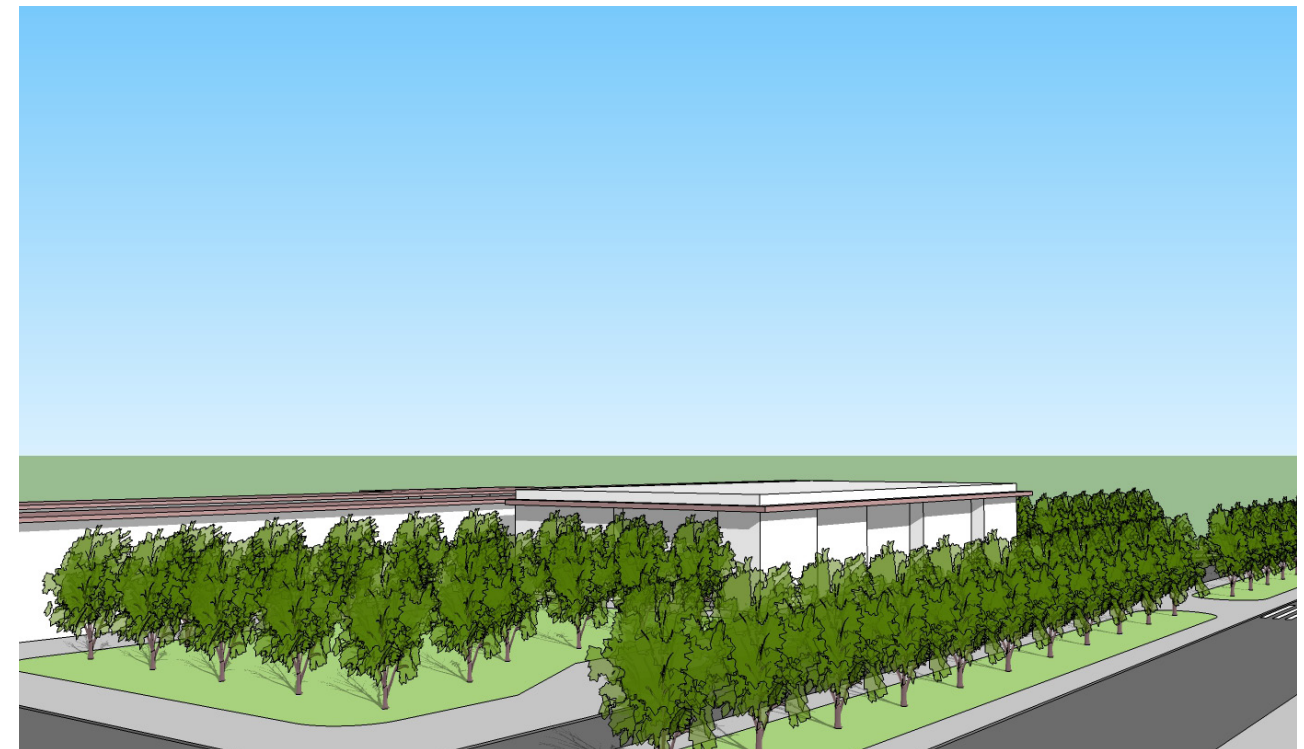
CALIFORNIA HIGH-SPEED RAIL
DESIGN CONCEPTS

OCTOBER 30 2014

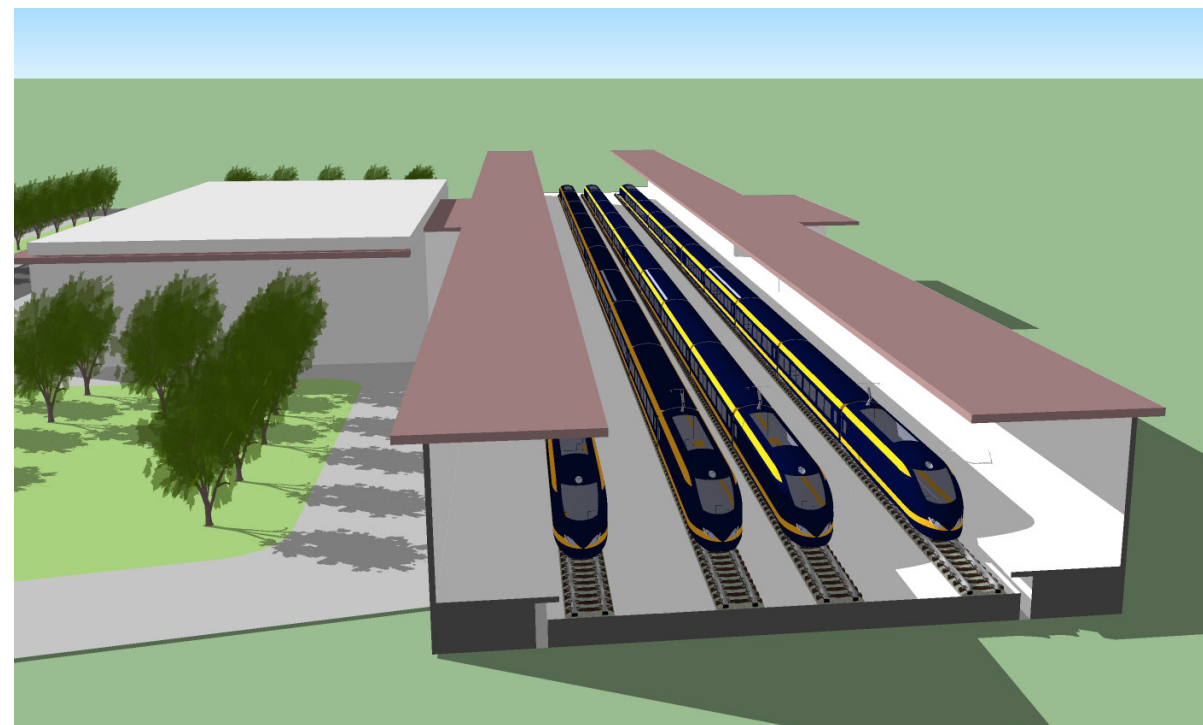
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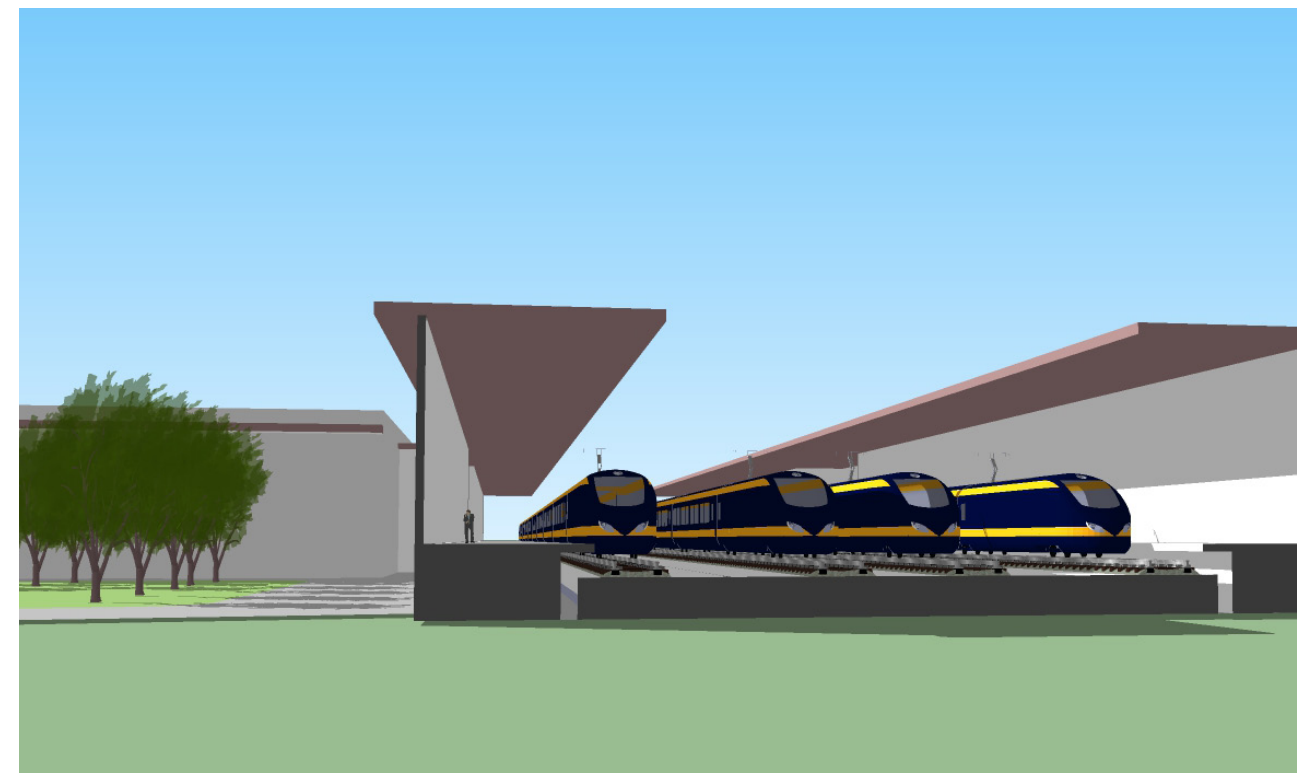
STATION PLAN



STATION FRONT PERSPECTIVE



ABOVE PLATFORM PERSPECTIVE



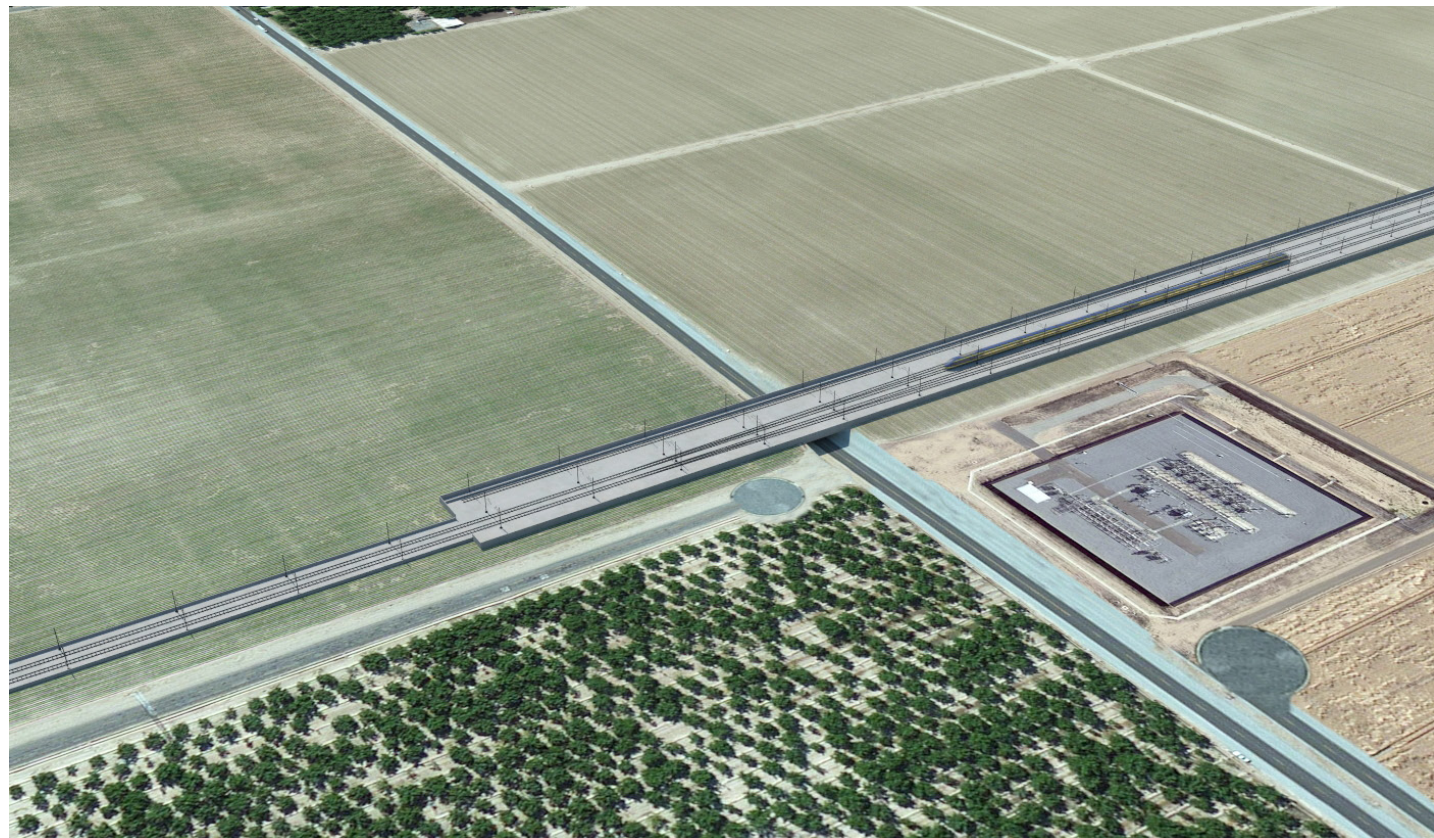
PLATFORM PERSPECTIVE

AESTHETICS 1 - HANFORD STATION AT GRADE DFS PROPOSED

OCTOBER 30 2014

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CALIFORNIA HIGH-SPEED RAIL
DESIGN CONCEPTS



GRANGEVILLE BLVD.
UNDER HSR



SAN JOAQUIN VALLEY RAILROAD
UNDER HSR



SR-198 UNDER HSR

AESTHETICS 1 - HANFORD STATION DFS PROPOSED

CALIFORNIA HIGH-SPEED RAIL
DESIGN CONCEPTS

OCTOBER 30 2014

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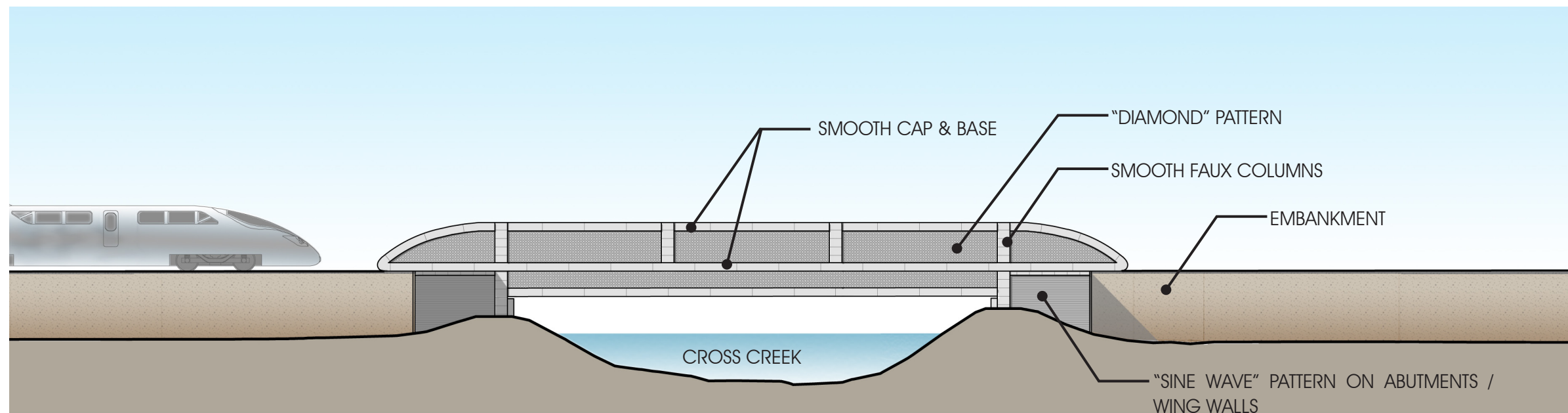


AESTHETICS 2 - STRUCTURES OVER SR-43 AND BNSF NEAR TULE RIVER

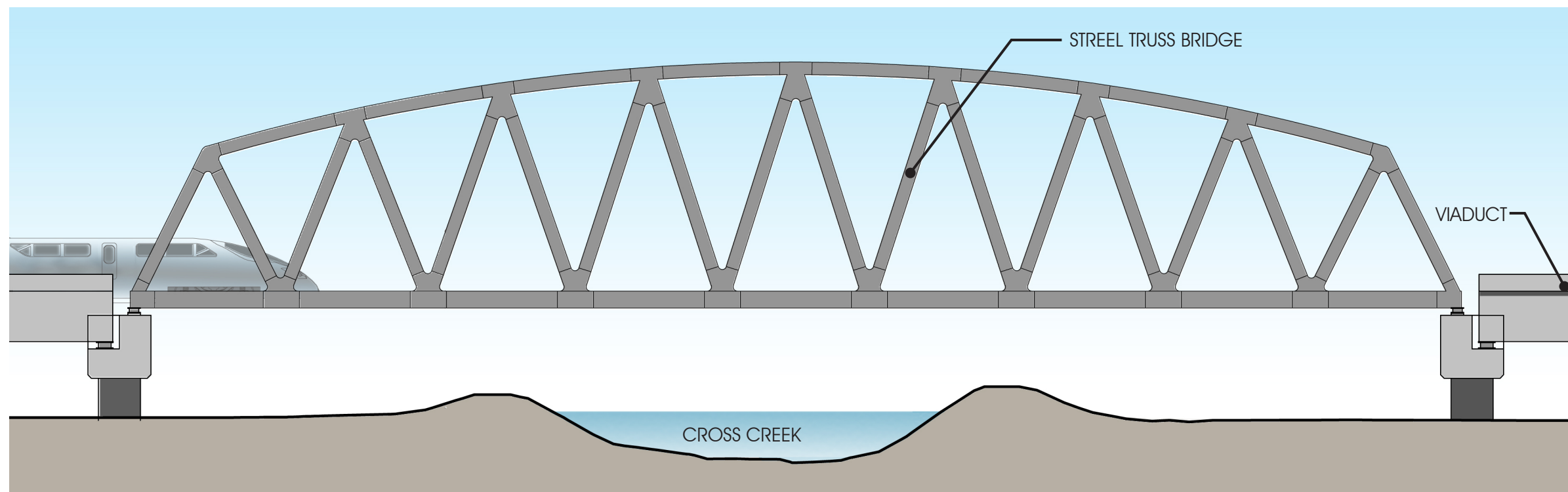
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CALIFORNIA HIGH-SPEED RAIL
DESIGN CONCEPTS



DFS PROPOSED DESIGN



RFP PROPOSED DESIGN

AESTHETICS 3 - CROSS CREEK BRIDGE

CALIFORNIA HIGH-SPEED RAIL
DESIGN CONCEPTS

OCTOBER 30 2014

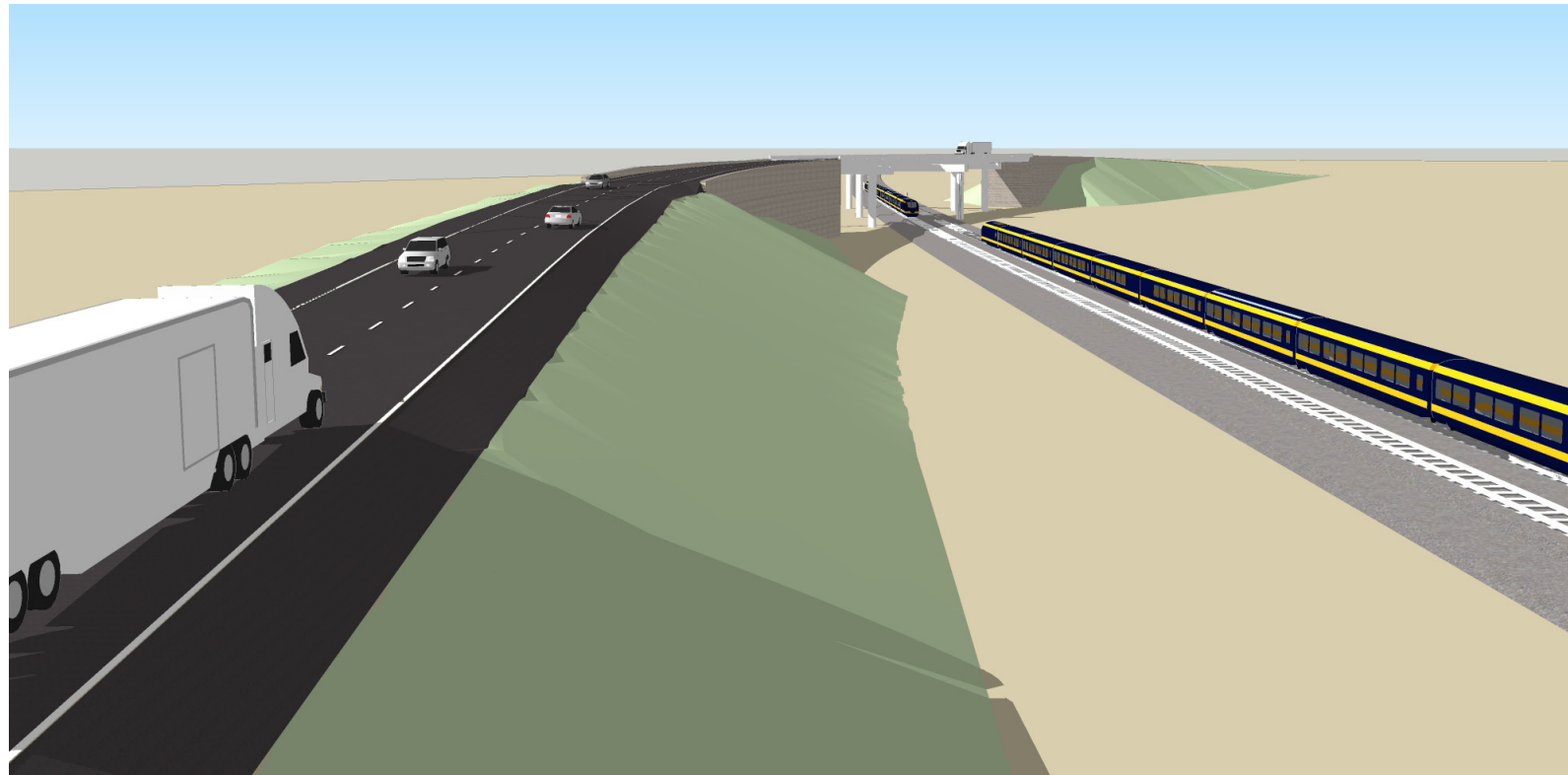
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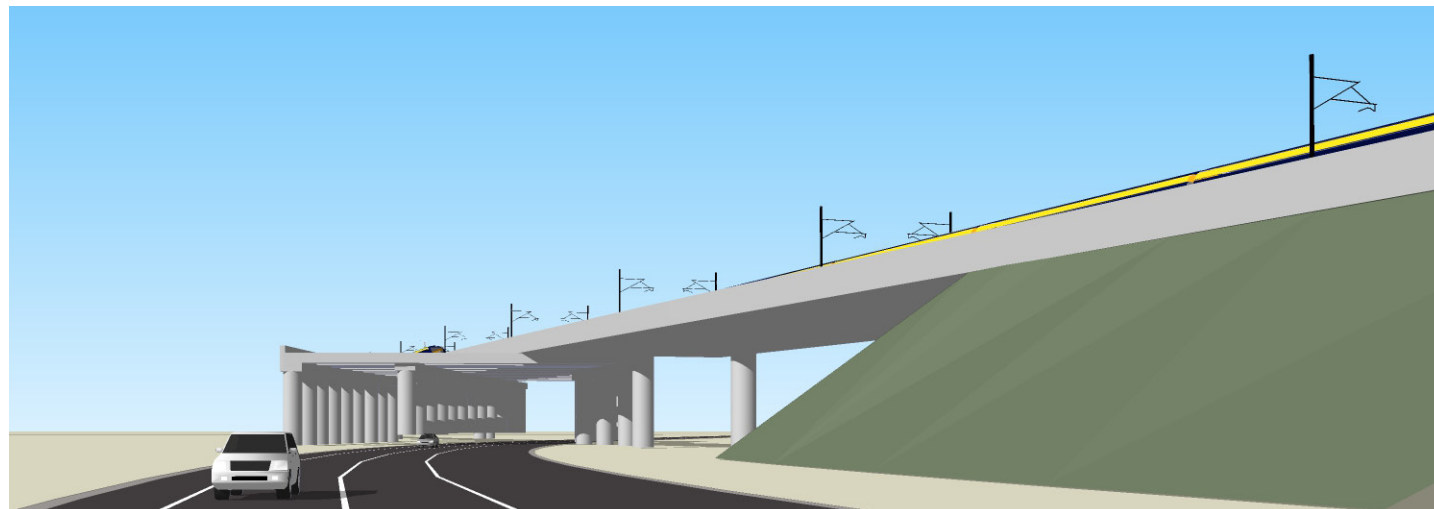
DFS PROPOSED DESIGN- ELEVATED SR-43 OVER HSR



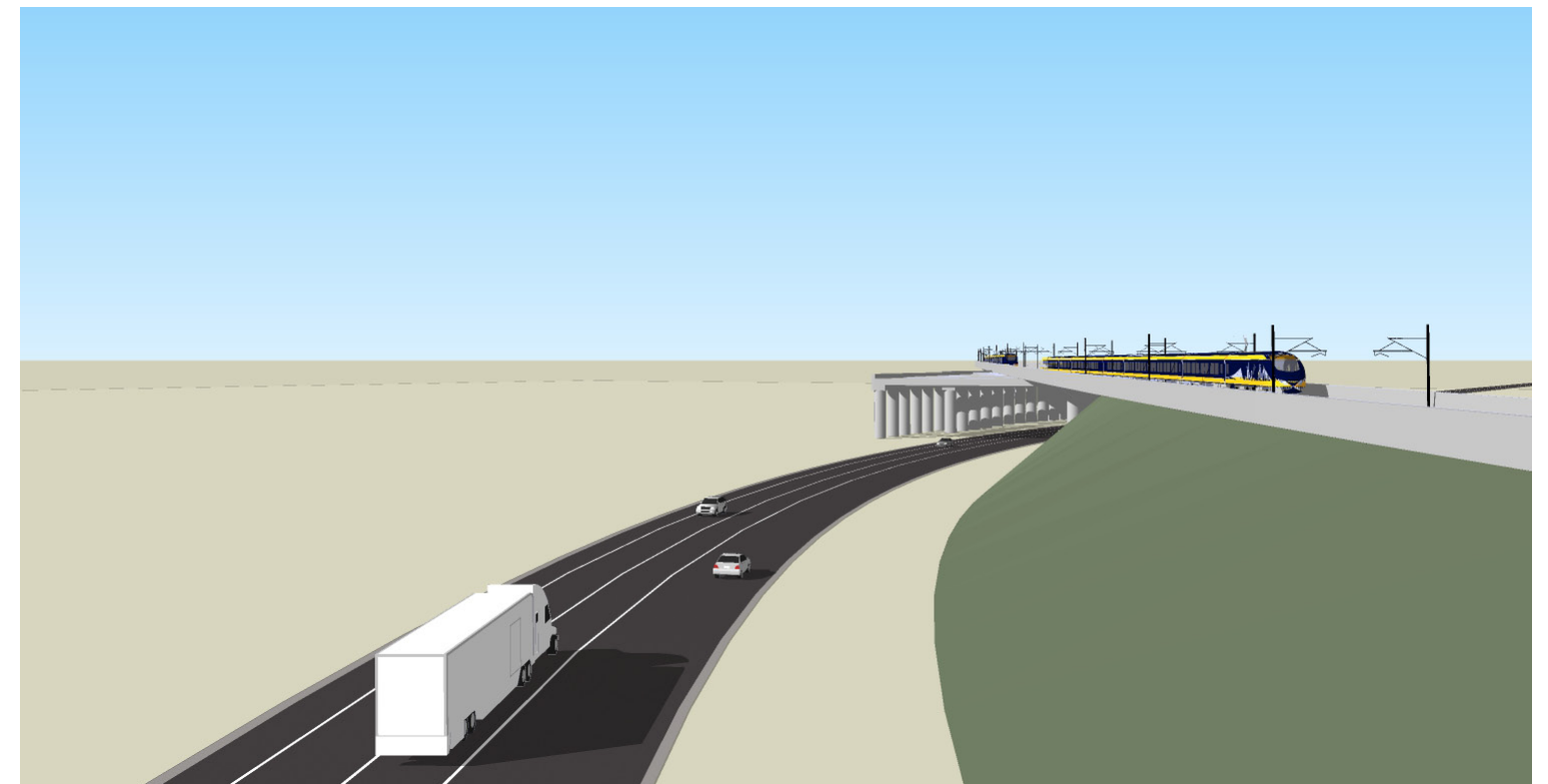
RFP PROPOSED DESIGN - ELEVATED HSR OVER SR-43



DFS PROPOSED DESIGN - ELEVATED SR-43 OVER HSR



RFP PROPOSED DESIGN - ELEVATED HSR OVER SR-43

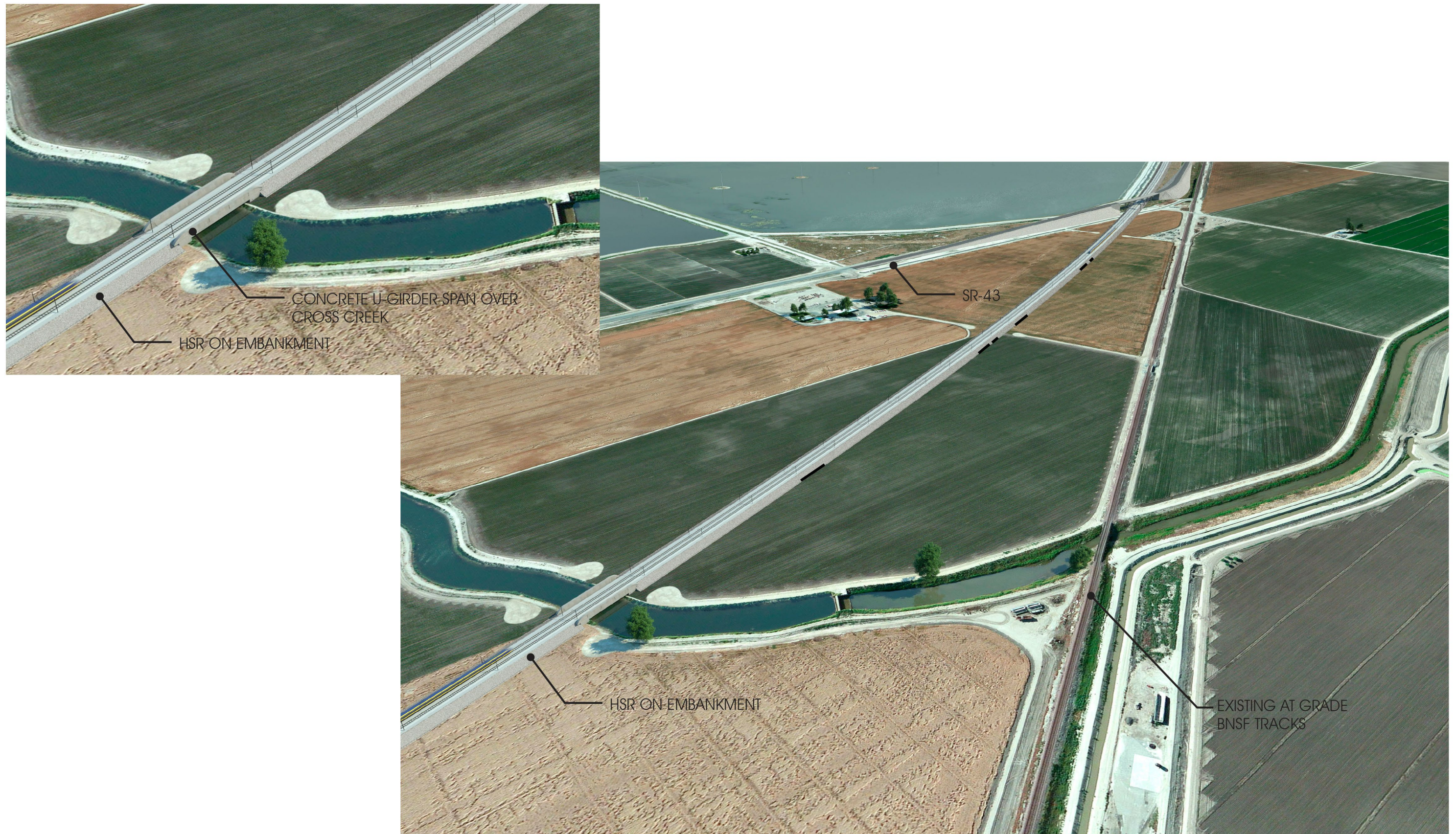


AESTHETICS 4 - SR-43 BRIDGE VEHICLE VIEW

CALIFORNIA HIGH-SPEED RAIL
DESIGN CONCEPTS

OCTOBER 30 2014

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AESTHETICS 3 & 4 - CROSS CREEK BRIDGE & SR-43 BRIDGE, DFS PROPOSED

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CALIFORNIA HIGH-SPEED RAIL
DESIGN CONCEPTS

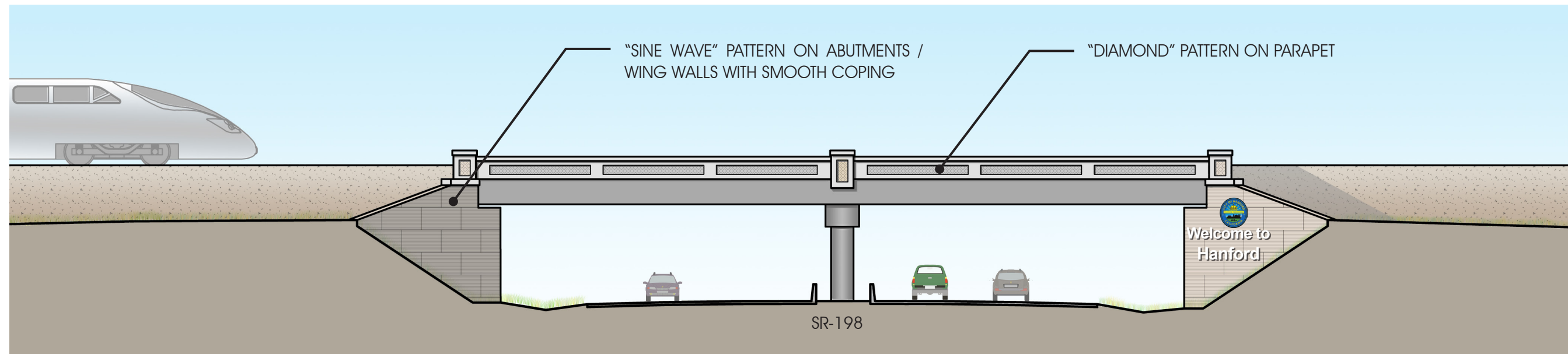


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OCTOBER 30 2014

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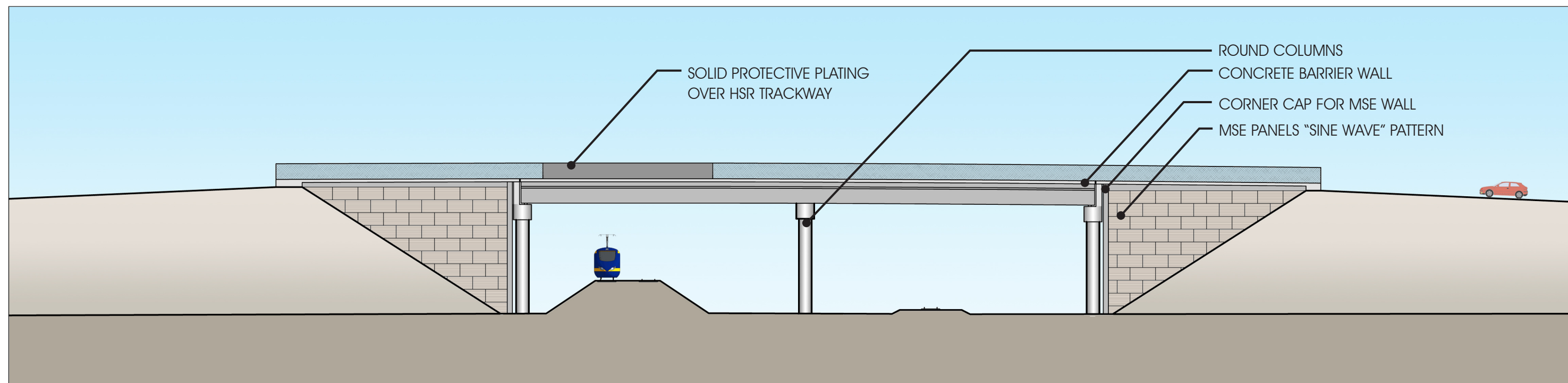
CALIFORNIA HIGH-SPEED RAIL
DESIGN CONCEPTS



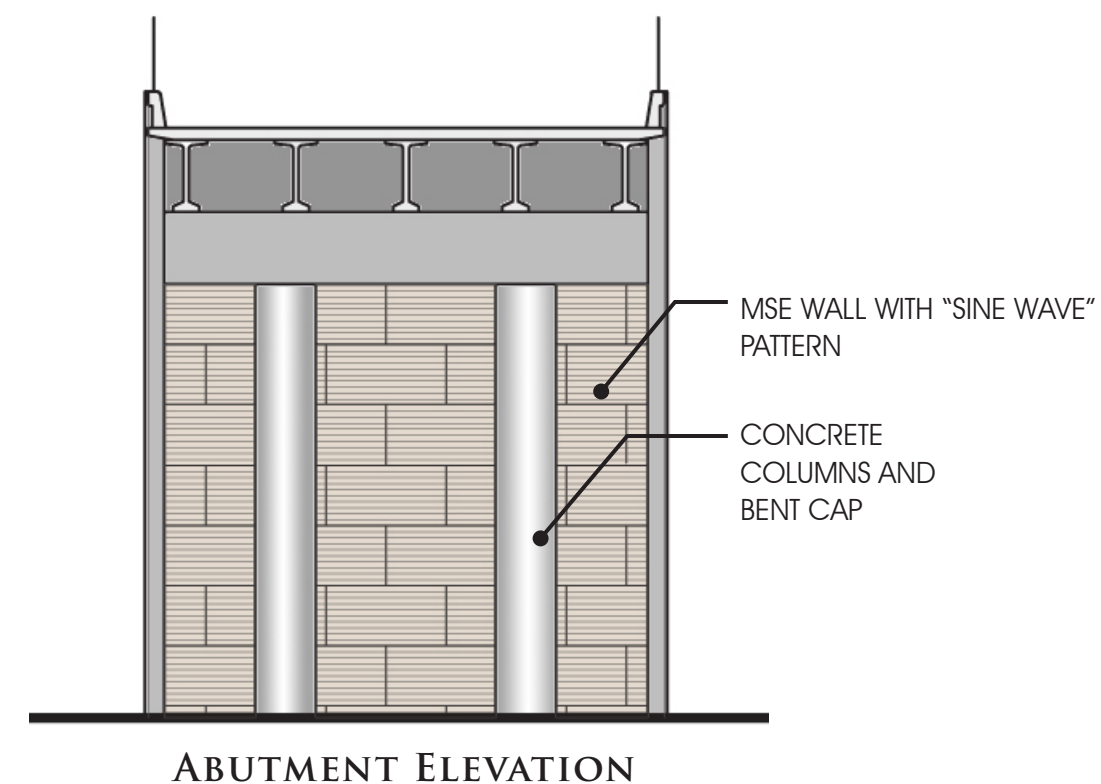
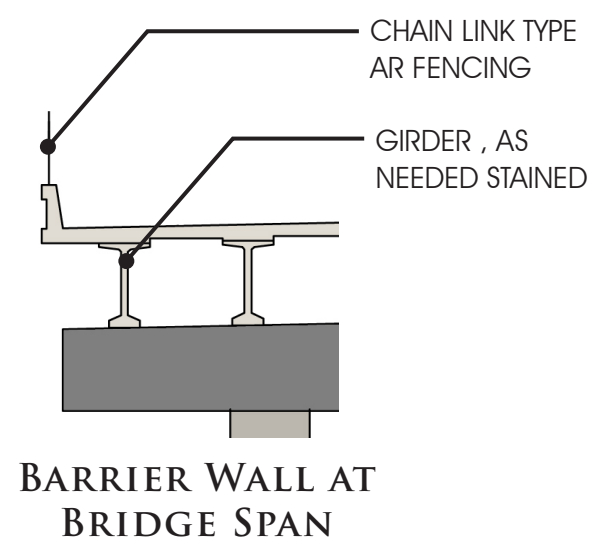
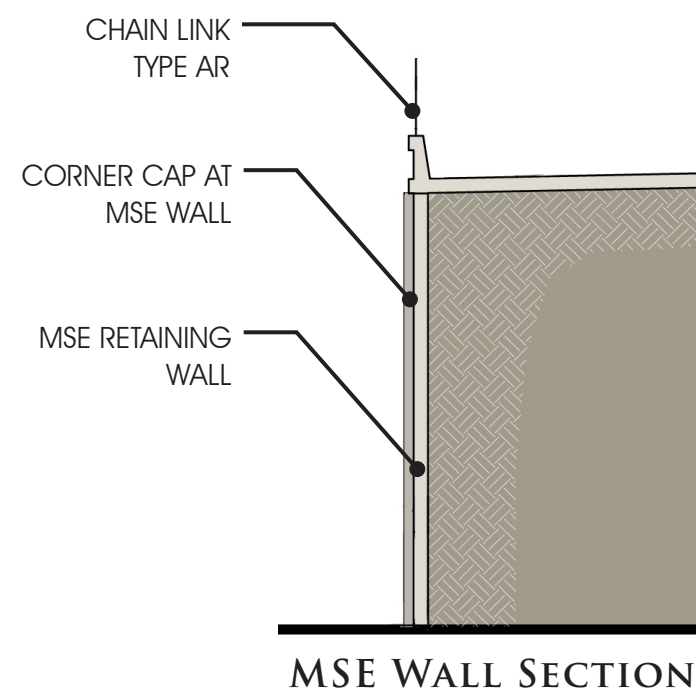
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AESTHETICS 5 - SR-198 BRIDGE
CALIFORNIA HIGH-SPEED RAIL
DESIGN CONCEPTS



BRIDGE ELEVATION



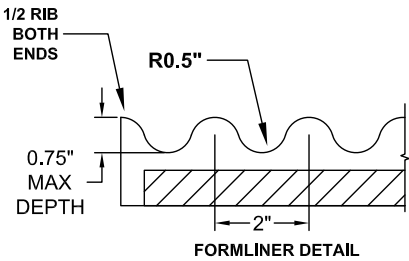
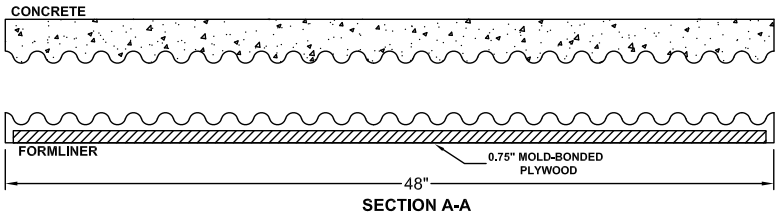
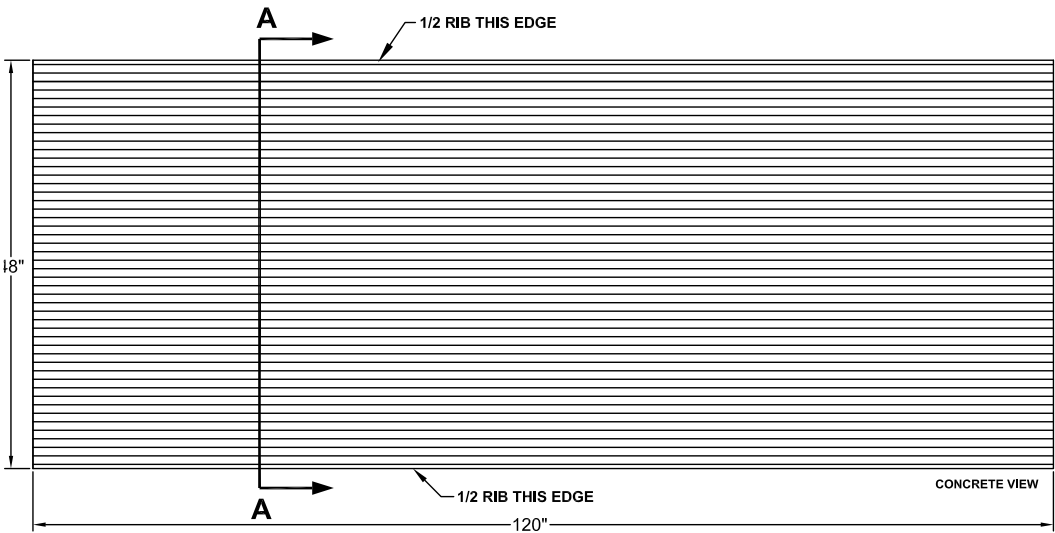
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CALIFORNIA HIGH-SPEED RAIL
DESIGN CONCEPTS

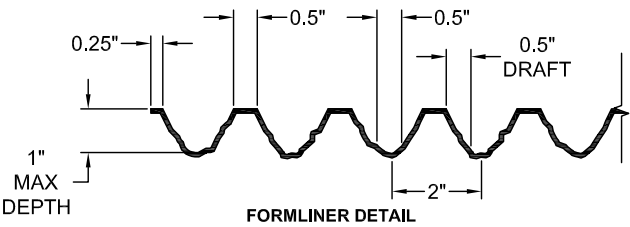
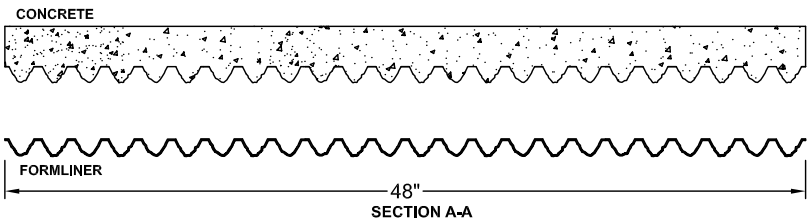
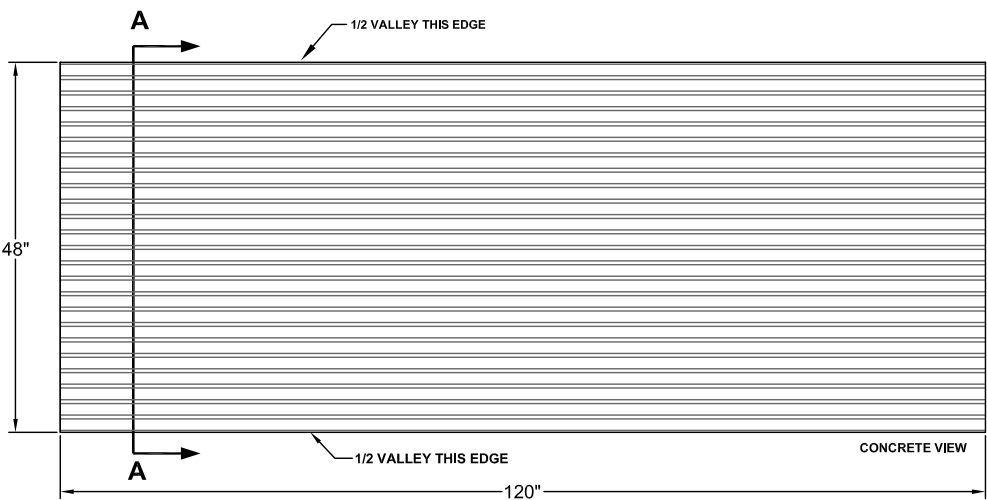
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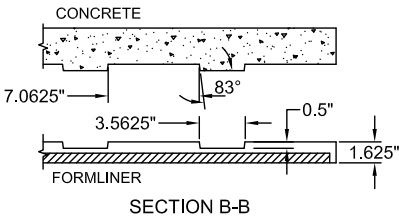
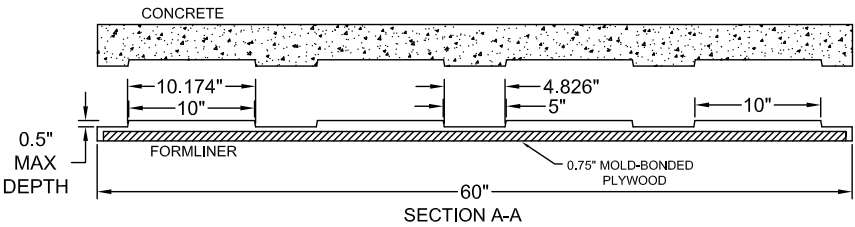
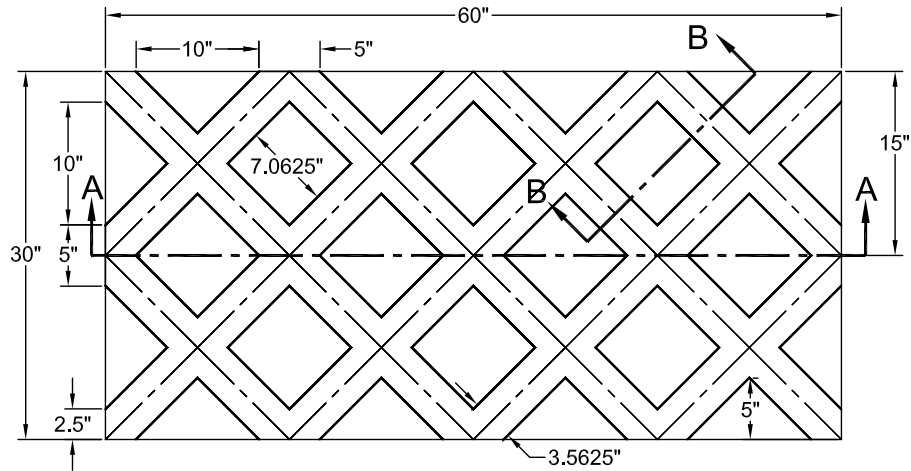
SINE WAVE PATTERN



FRACTURED FIN PATTERN



DIAMOND PATTERN

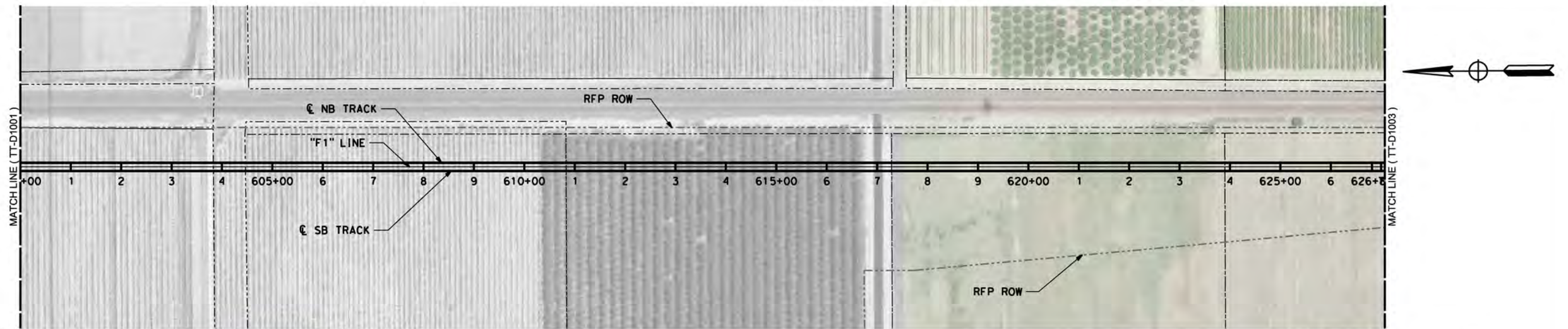


AESTHETICS 7 - TYPICAL DESIGNS FOR THE CORRIDOR

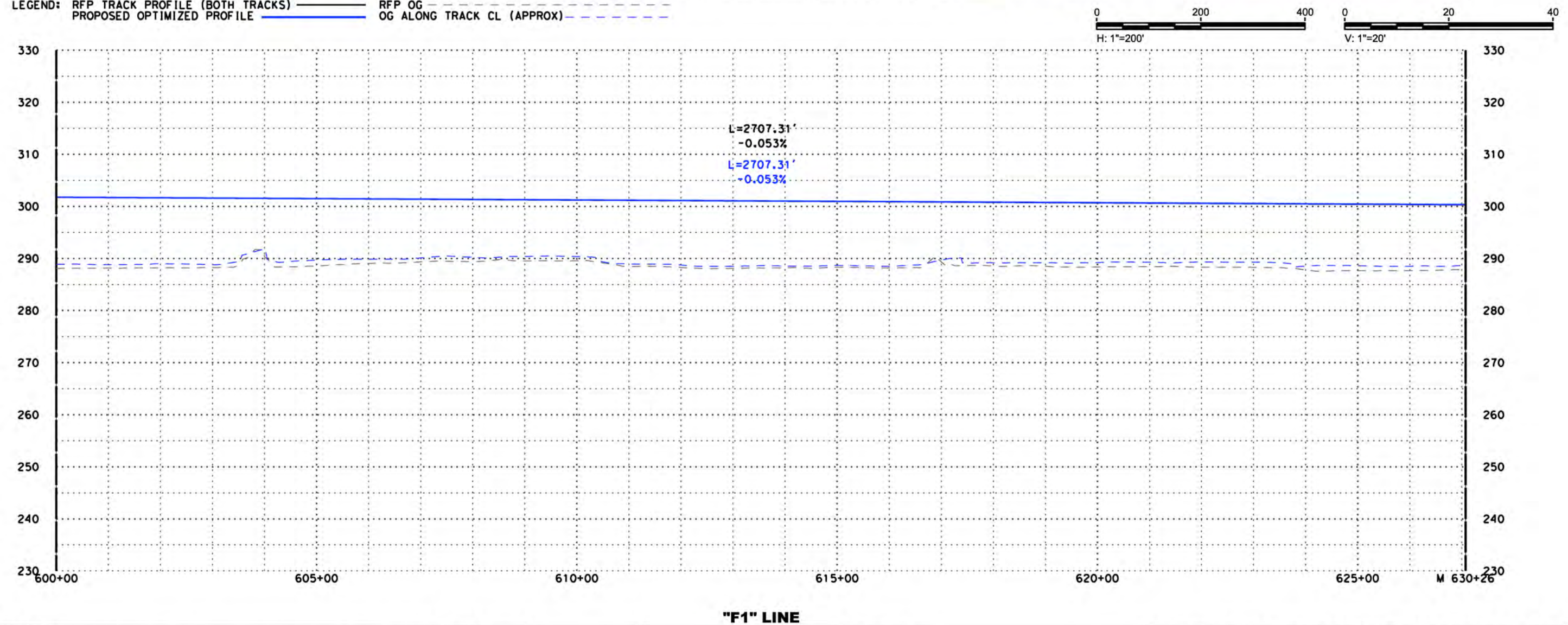
OCTOBER 30 2014

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CALIFORNIA HIGH-SPEED RAIL
DESIGN CONCEPTS



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



DISCLAIMER:
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 B. Kidd
 DRAWN BY
 Z. Rookhuyzen
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 08/28/14

RECORD SET 15%
 DESIGN SUBMISSION
 NOT FOR
 CONSTRUCTION



CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

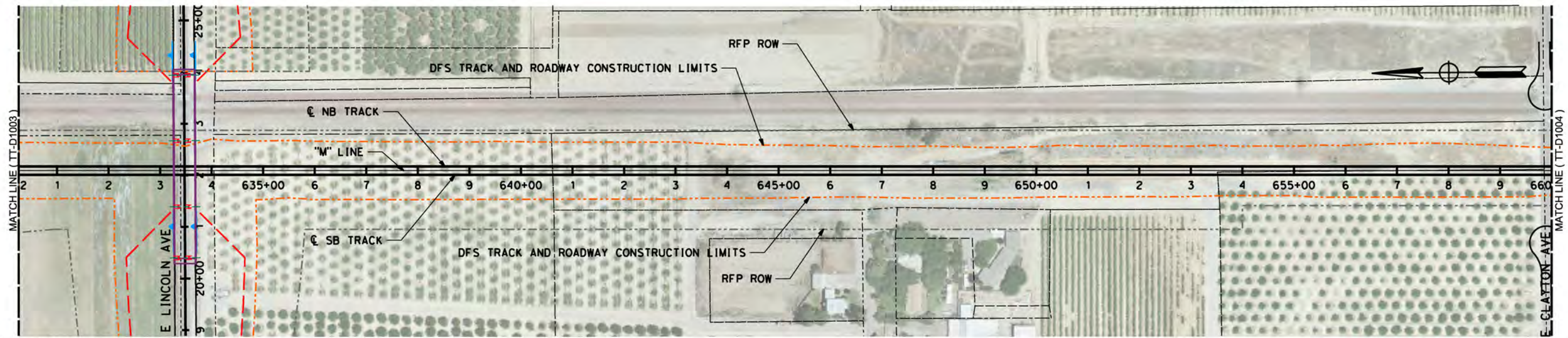
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 FRESNO TO BAKERSFIELD
 ALIGNMENT F1

PLAN AND PROFILE
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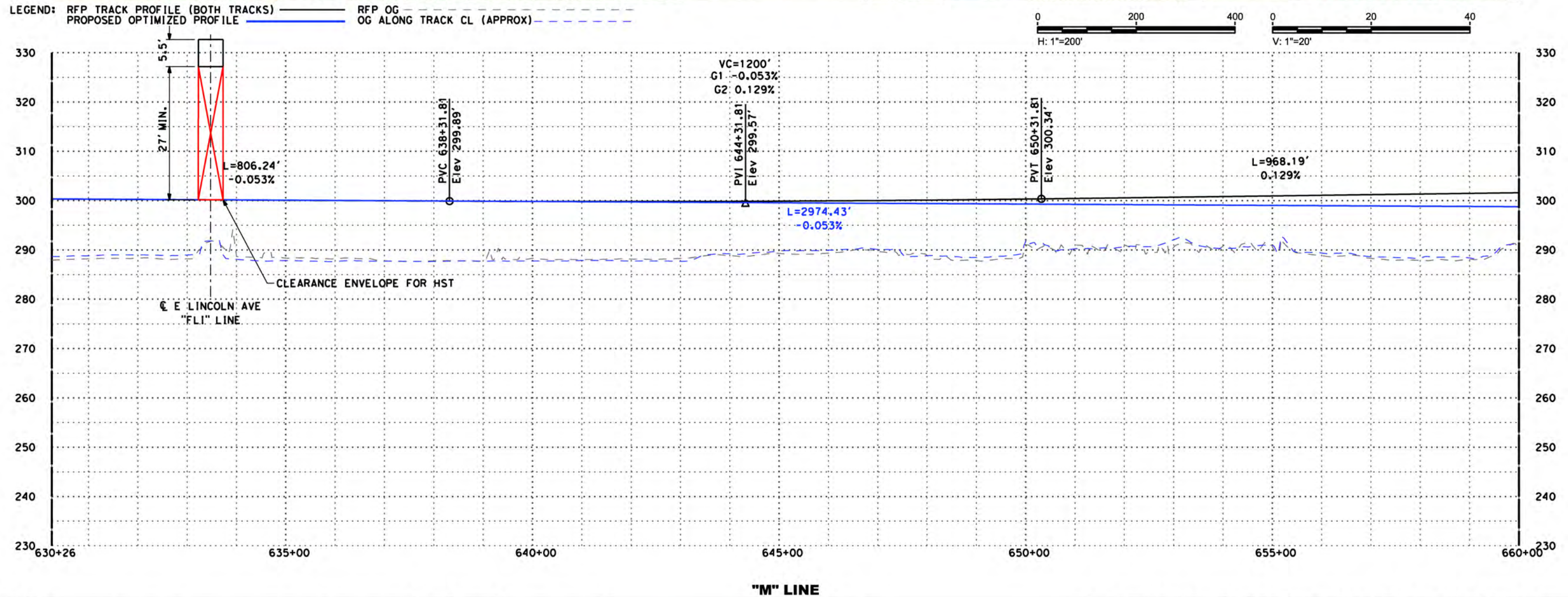
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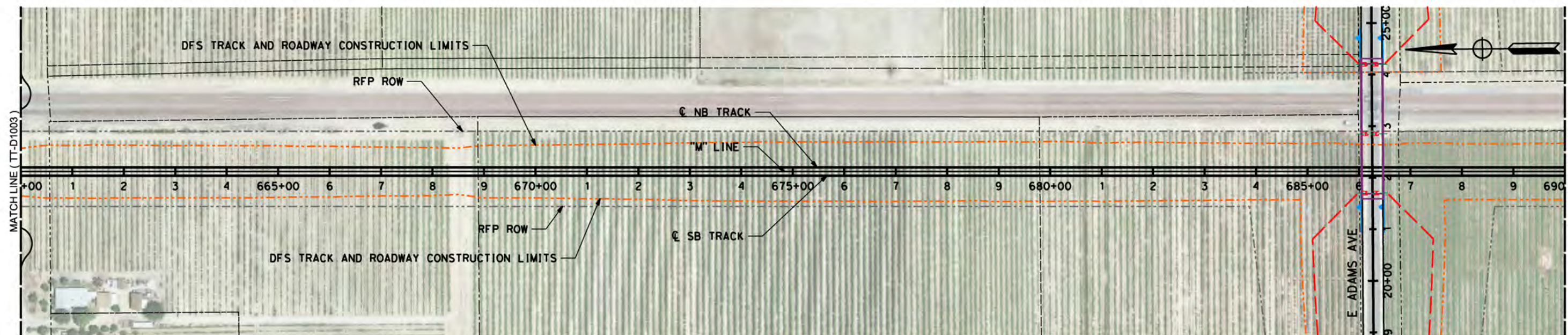


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

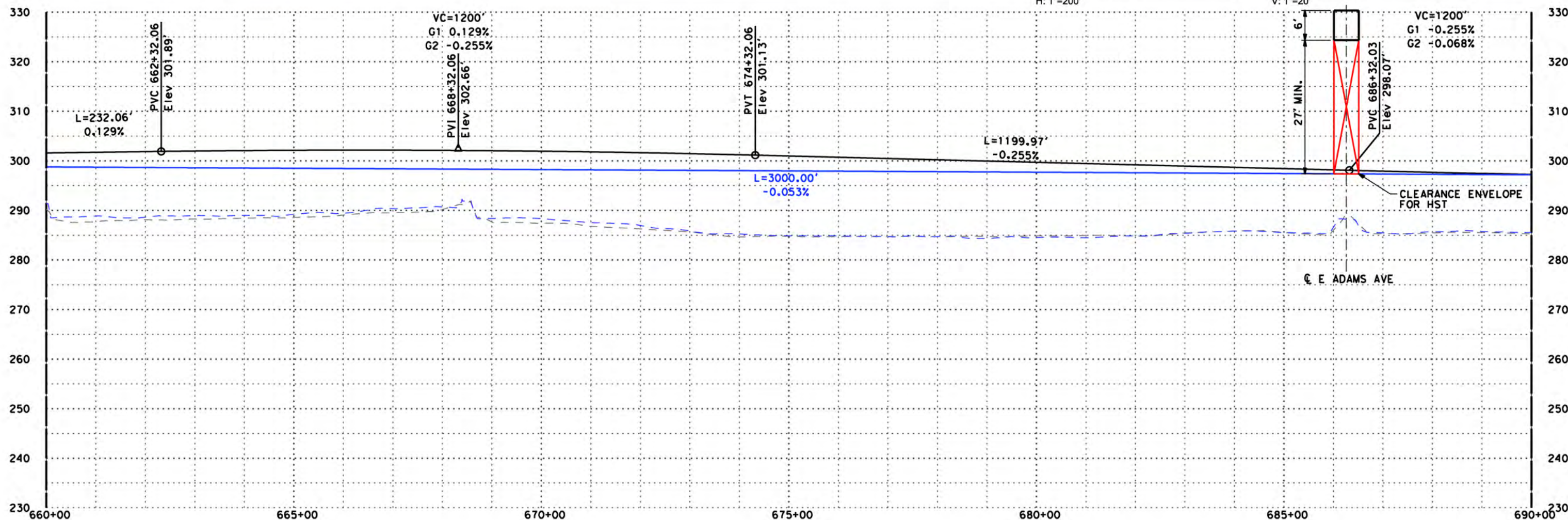
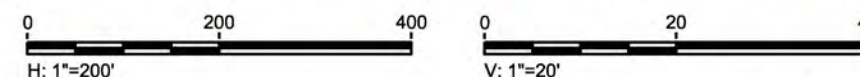
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT M

PLAN AND PROFILE
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DRAWING NO.
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SCALE
AS SHOWN
SHEET NO.



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 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - -



"M" LINE

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DESIGNED BY
 P. Borney
 DRAWN BY
 Z. Rookhuyzen
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 10/15/14

RECORD SET 15%
 DESIGN SUBMISSION
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 CONSTRUCTION



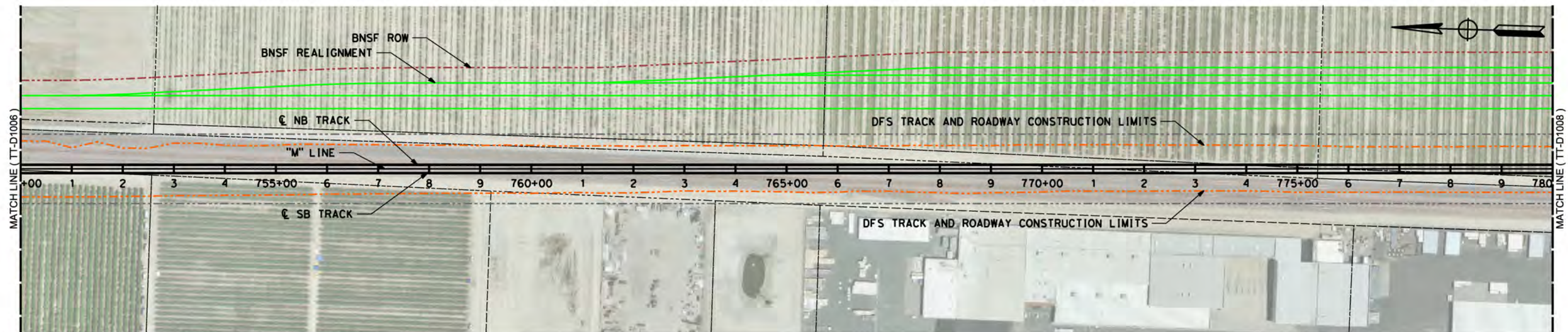
CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT M

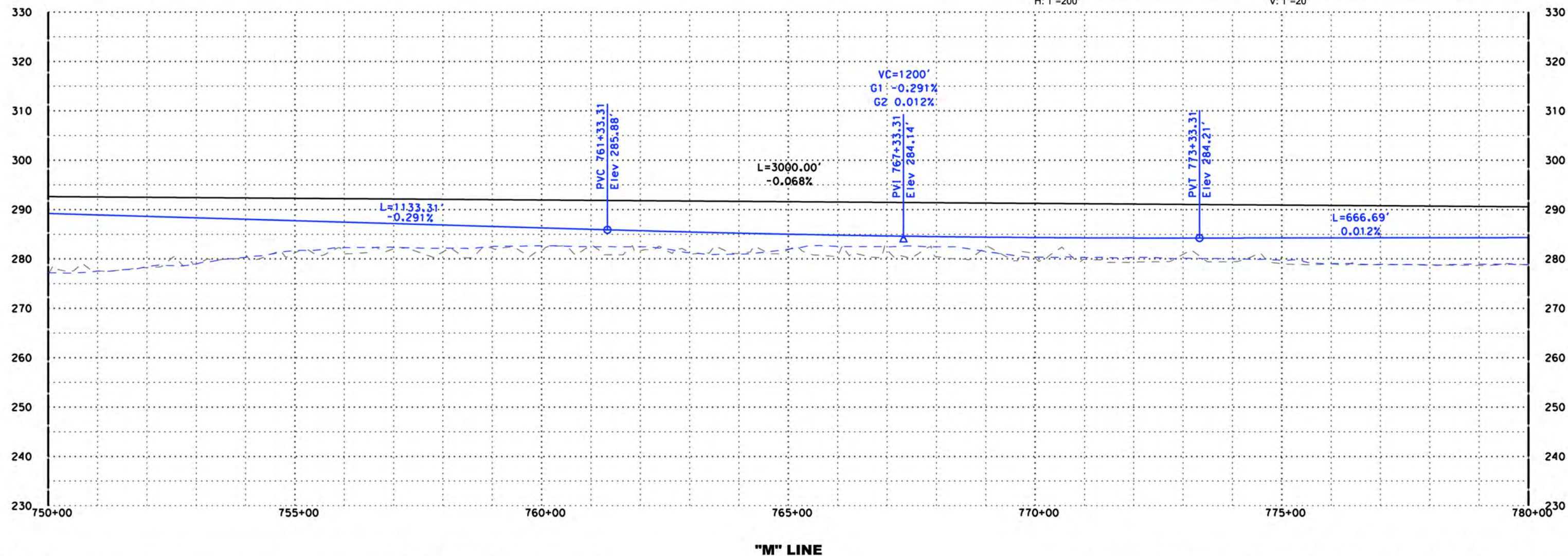
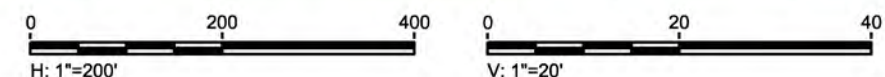
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 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



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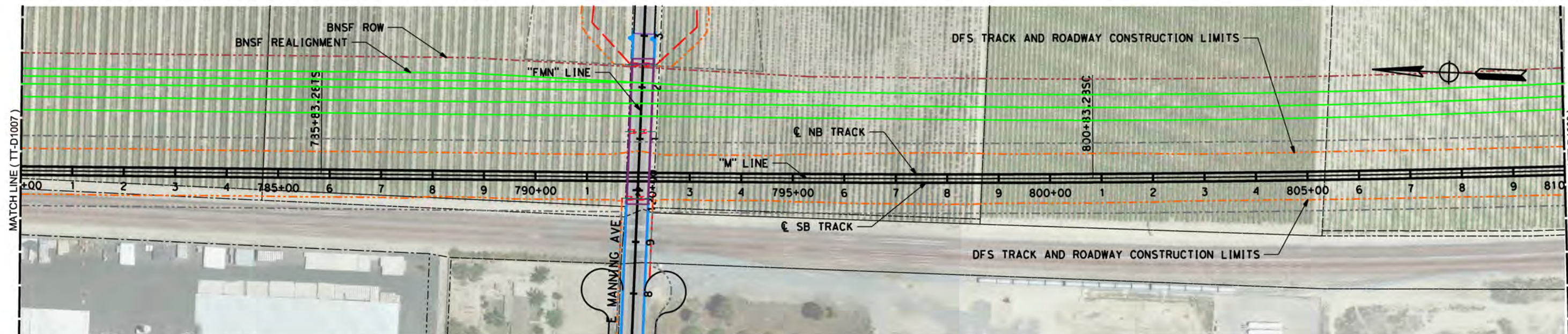
CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT M

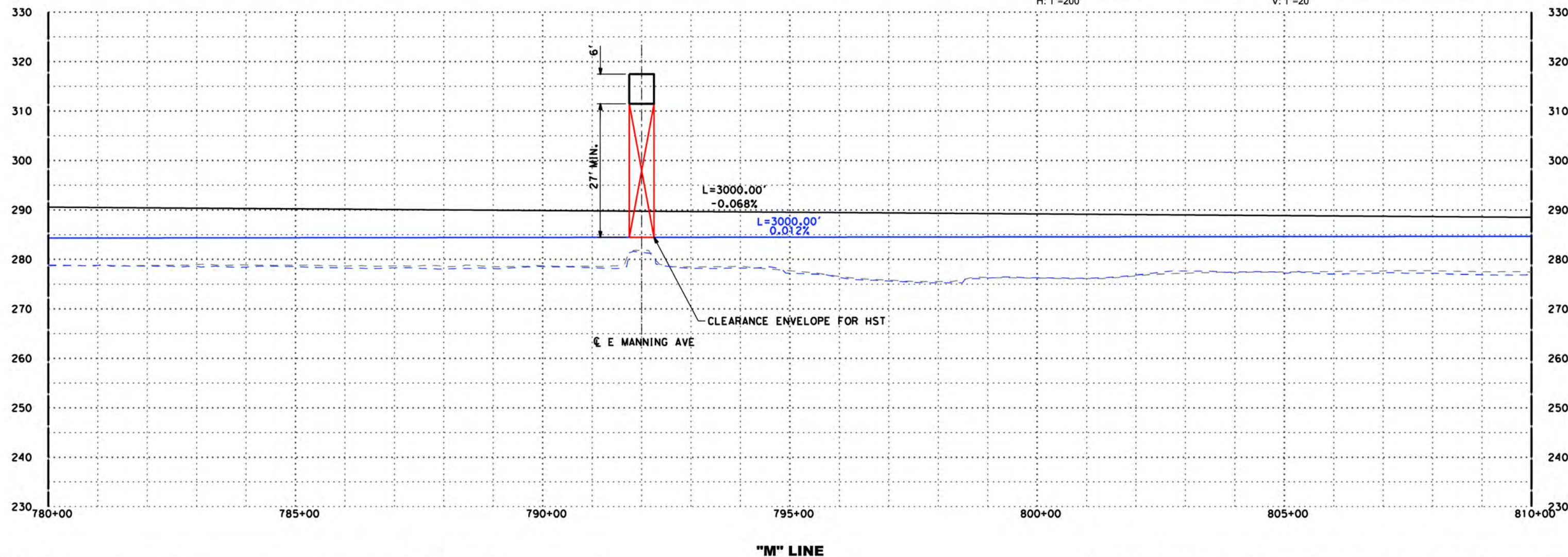
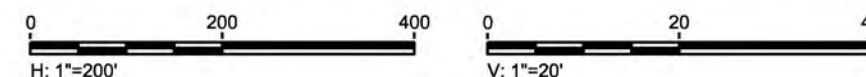
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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
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R. Trevett
DATE
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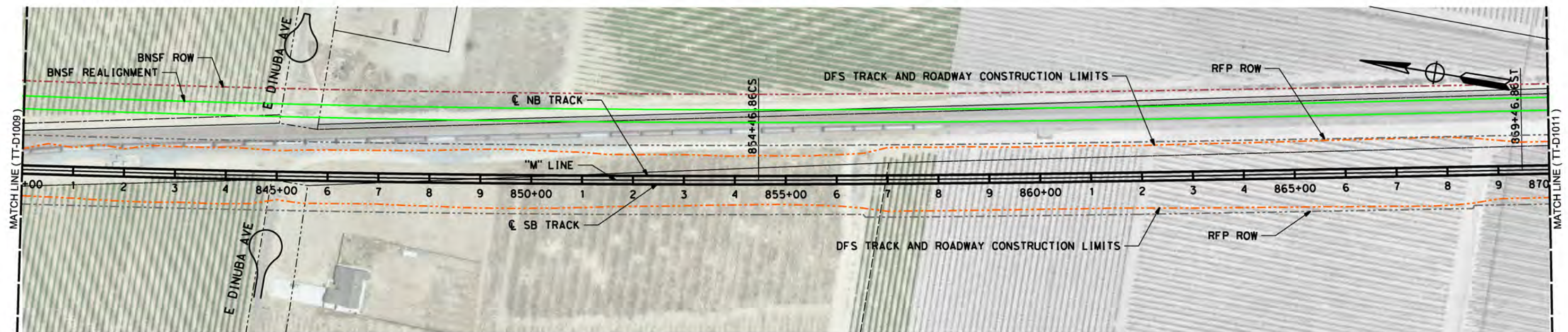


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

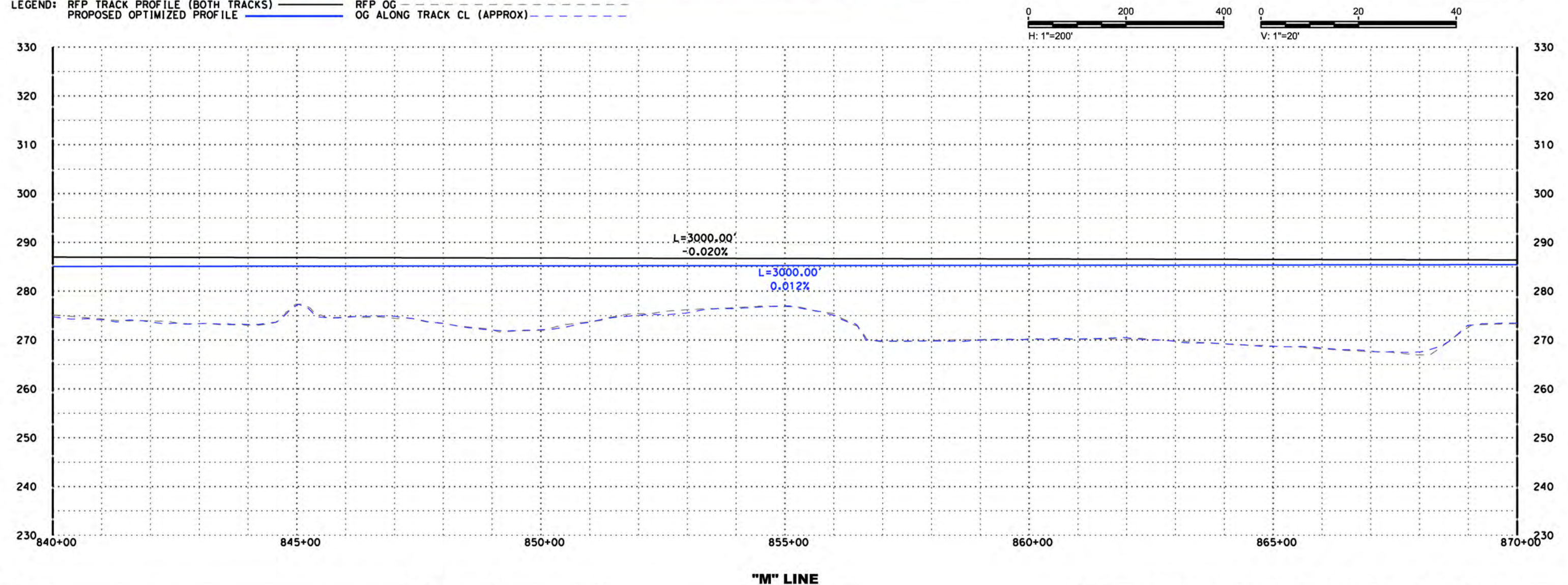
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT M

PLAN AND PROFILE
M 780+00.00 TO M 810+00.00

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HSR 06-0003
DRAWING NO.
D1008
SCALE
AS SHOWN
SHEET NO.



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DESIGNED BY P. Barney
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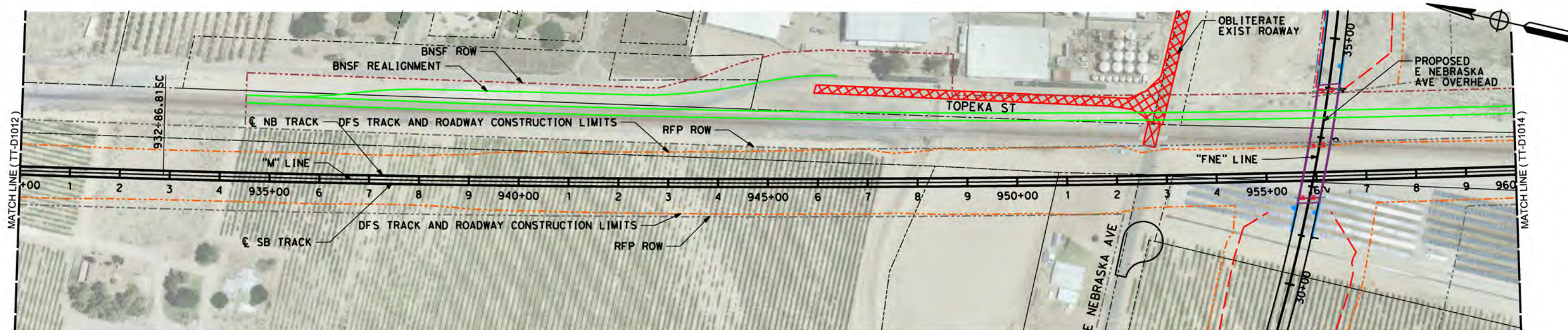
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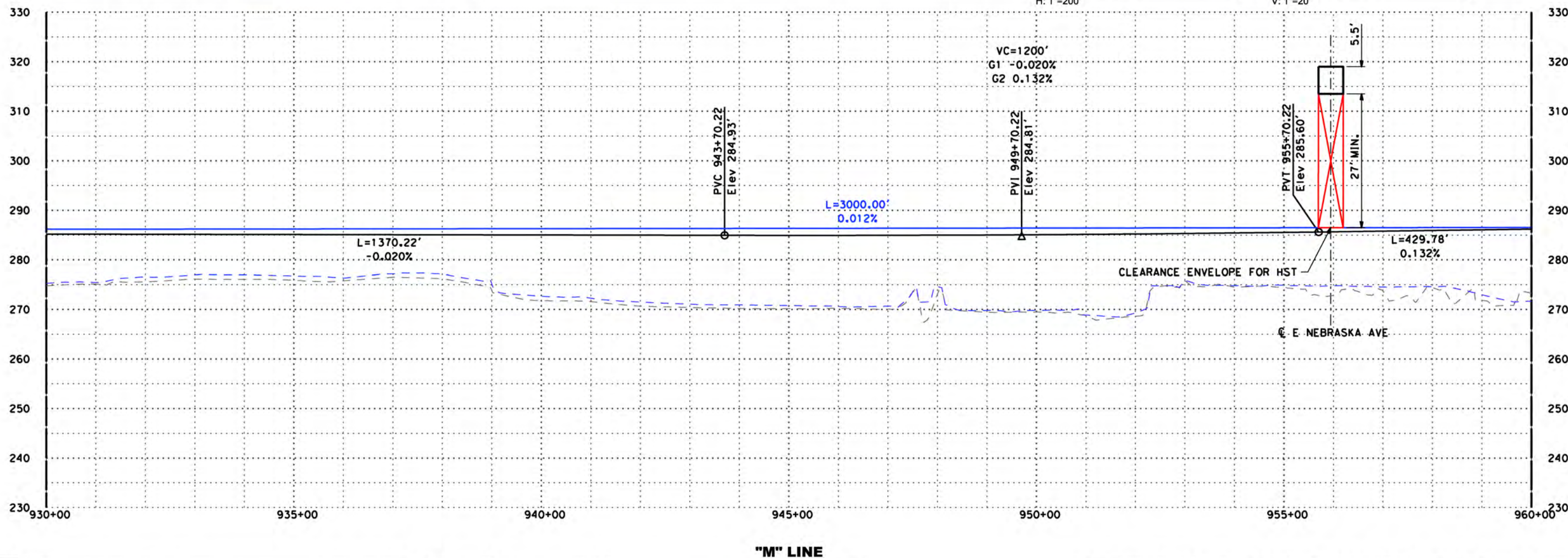
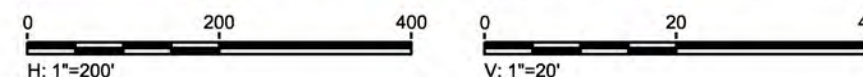
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT M**

PLAN AND PROFILE
M 840+00.00 TO M 870+00.00

CONTRACT NO.	HSR 06-0003
DRAWING NO.	D1010
SCALE	AS SHOWN
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 R. Trevett
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RECORD SET 15%
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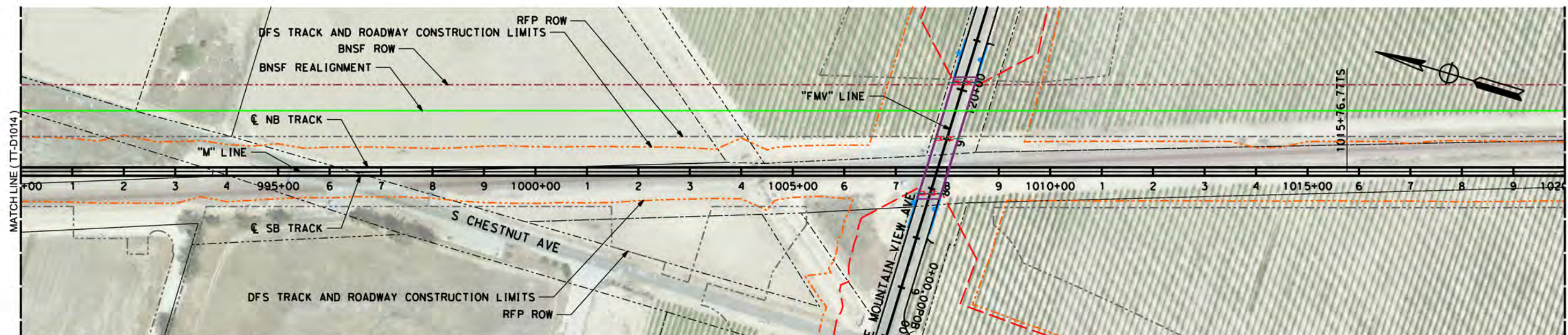


CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

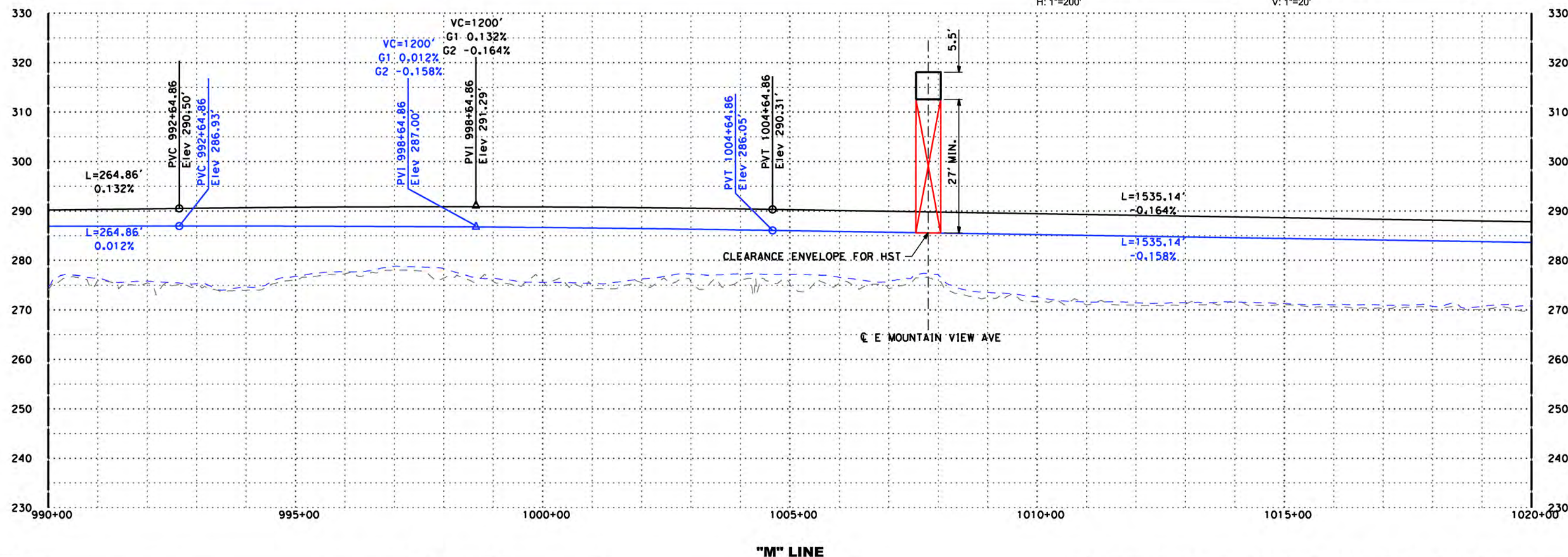
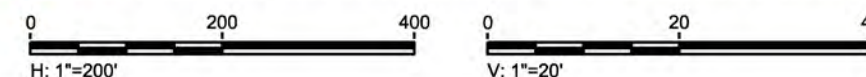
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT M

PLAN AND PROFILE
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CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1013
 SCALE
 AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



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DESIGNED BY
 P. Borney
 DRAWN BY
 Z. Rookhuyzen
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 10/15/14

RECORD SET 15%
 DESIGN SUBMISSION
 NOT FOR
 CONSTRUCTION

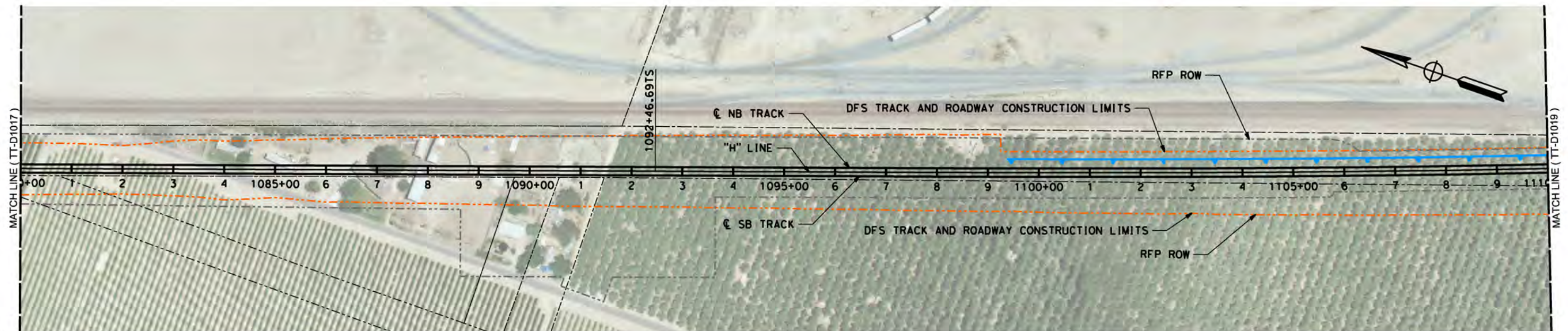


CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

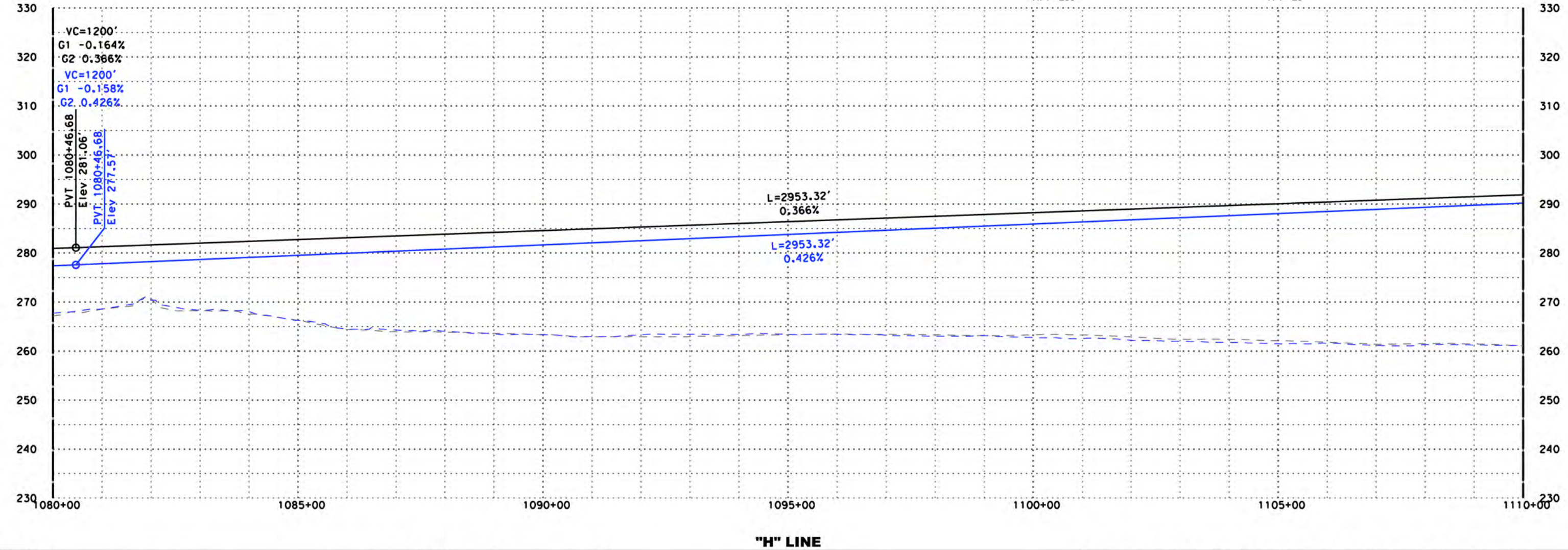
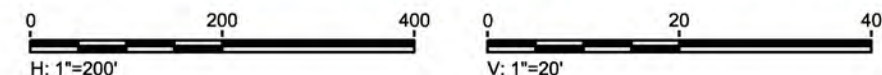
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT M

PLAN AND PROFILE
 M 990+00.00 TO M 1020+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1015
 SCALE
 AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



"H" LINE

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 P. Borney
 DRAWN BY
 Z. Rookhuyzen
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 10/15/14

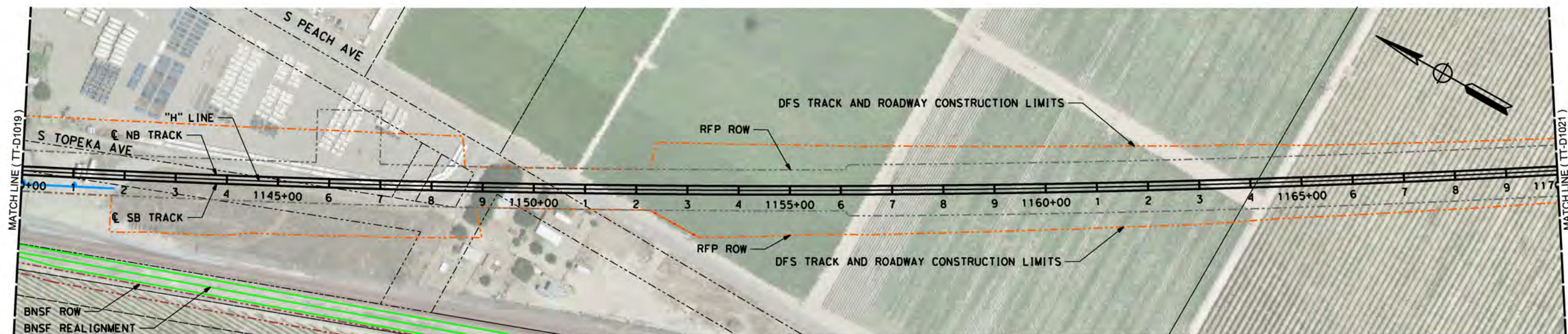
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 CONSTRUCTION



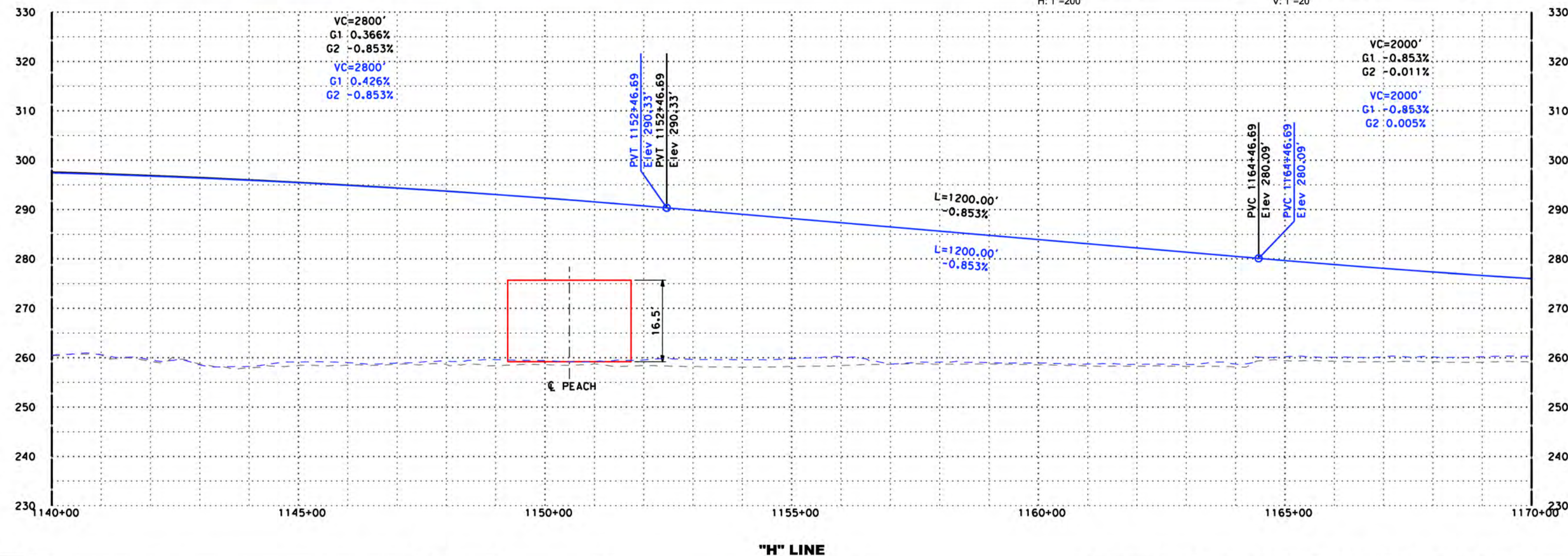
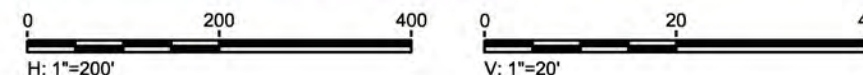
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 ALIGNMENT H
 PLAN AND PROFILE
 H 1080+00.00 TO H 1110+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1018
 SCALE
 AS SHOWN
 SHEET NO.

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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



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DESIGNED BY
 P. Borney
 DRAWN BY
 Z. Rookhuyzen
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 10/15/14

RECORD SET 15%
 DESIGN SUBMISSION
 NOT FOR
 CONSTRUCTION

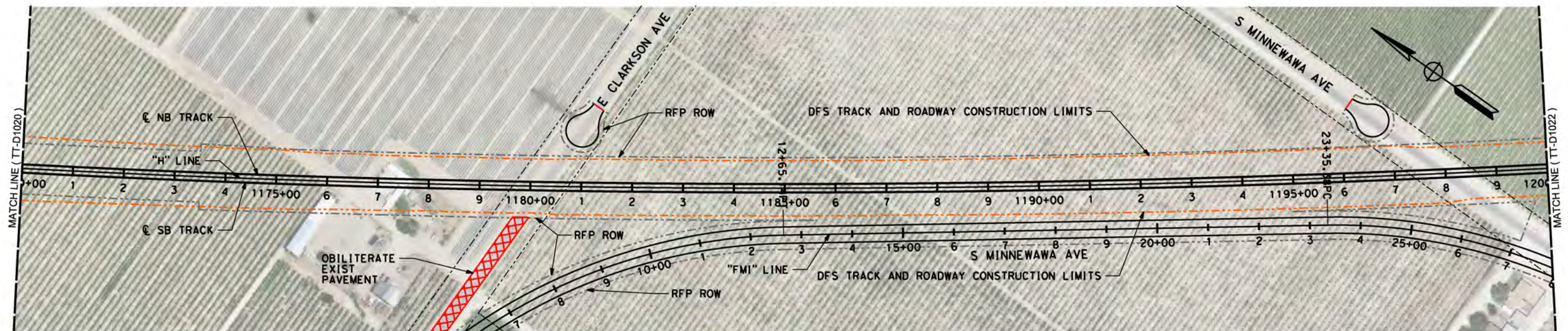


CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

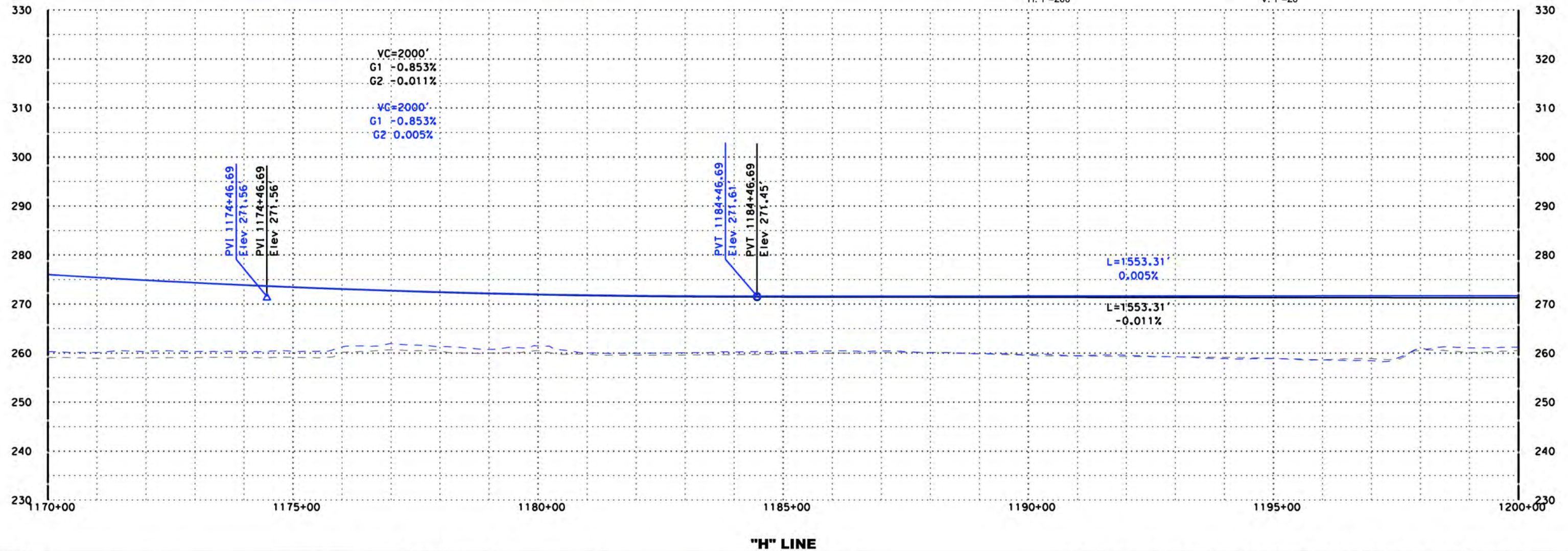
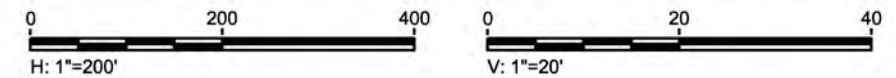
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT H

PLAN AND PROFILE
 H 1140+00.00 TO H 1170+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1020
 SCALE
 AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



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 P. Borney
 DRAWN BY
 Z. Rookhuyzen
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 10/15/14

RECORD SET 15%
 DESIGN SUBMISSION
 NOT FOR
 CONSTRUCTION

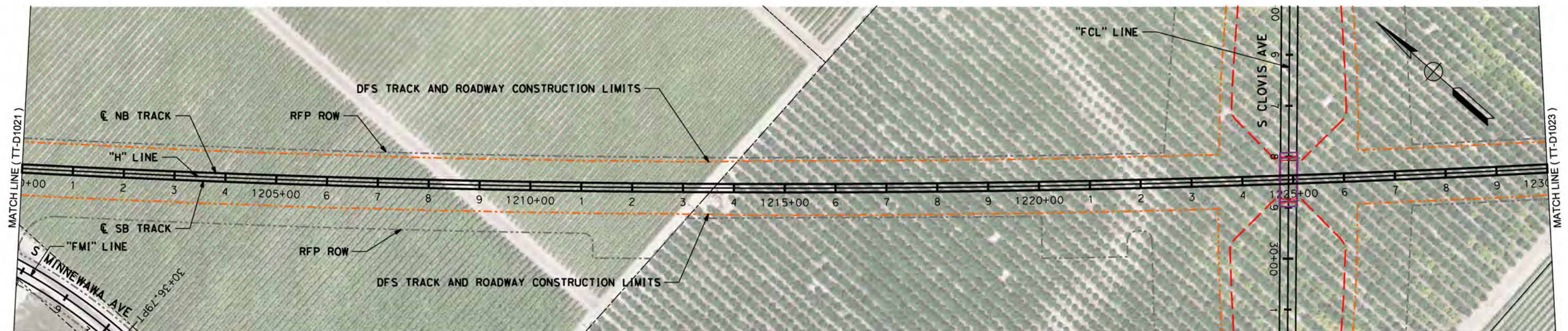


CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

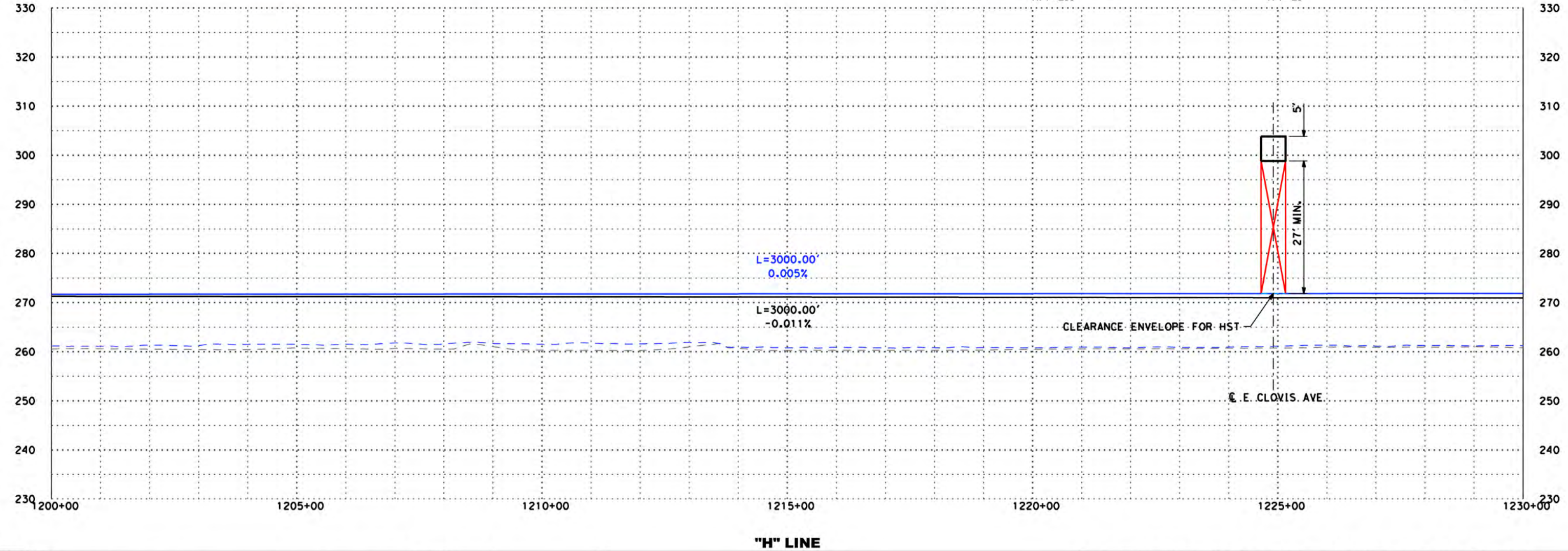
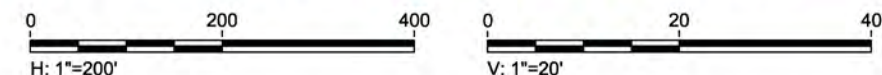
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT H

PLAN AND PROFILE
 H 1170+00.00 TO H 1200+00.00

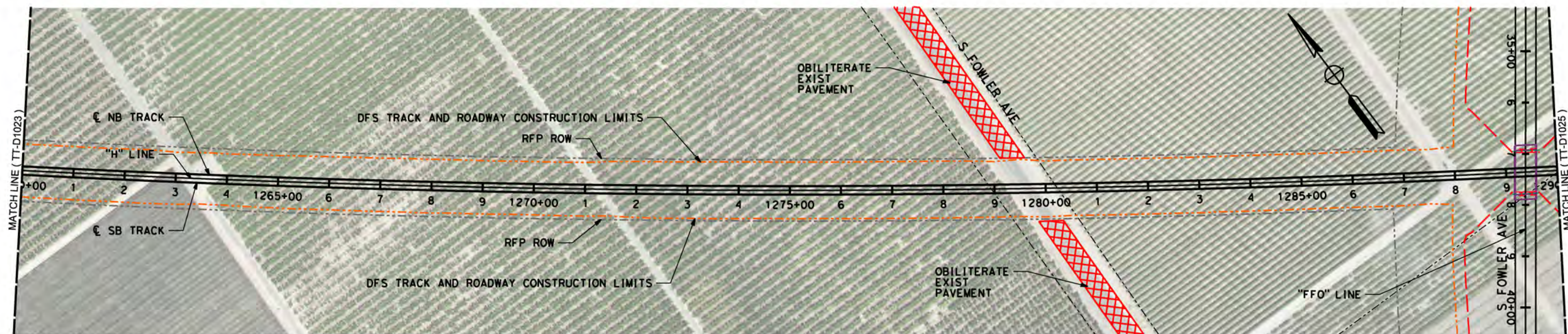
CONTRACT NO.
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 DRAWING NO.
 D1021
 SCALE
 AS SHOWN
 SHEET NO.



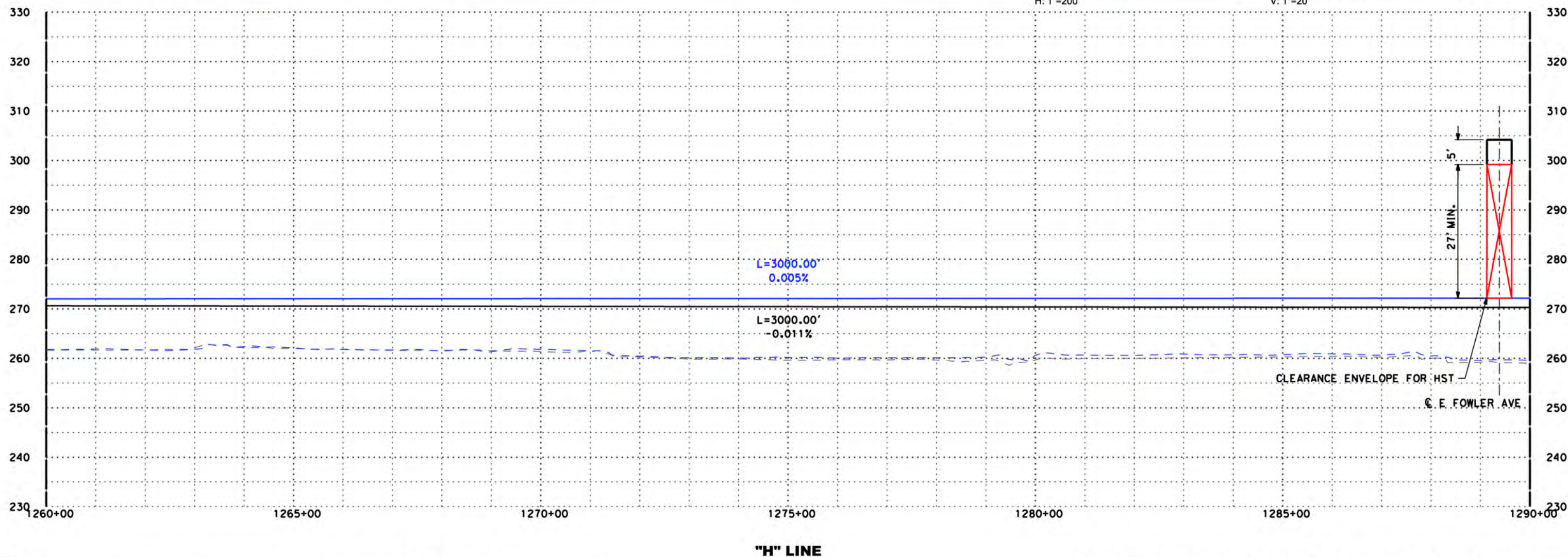
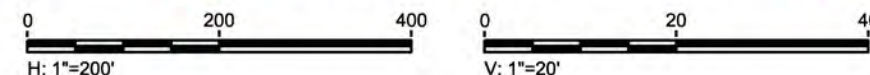
LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



10/14/2014 10:06:42 AM CHSR_PDF_Full.plt c:\pwworking\val\porting\tonso\d0168034\FB-SEG3-H_TT-D1022.dgn CHSR_PDF_Full.plt c:\pwworking\val\porting\tonso\d0168034\FB-SEG3-H_TT-D1022.dgn CHSR_PDF_Full.plt c:\pwworking\val\porting\tonso\d0168034\FB-SEG3-H_TT-D1022.dgn	DISCLAIMER: THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.		DESIGNED BY P. Barney DRAWN BY Z. Rookhuyzen CHECKED BY E. Koram IN CHARGE R. Trevett DATE 10/15/14	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD ALIGNMENT H PLAN AND PROFILE H 1200+00.00 TO H 1230+00.00	CONTRACT NO. HSR 06-0003 DRAWING NO. D1022 SCALE AS SHOWN SHEET NO.
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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



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 P. Borney
 DRAWN BY
 Z. Rookhuyzen
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 10/15/14

RECORD SET 15%
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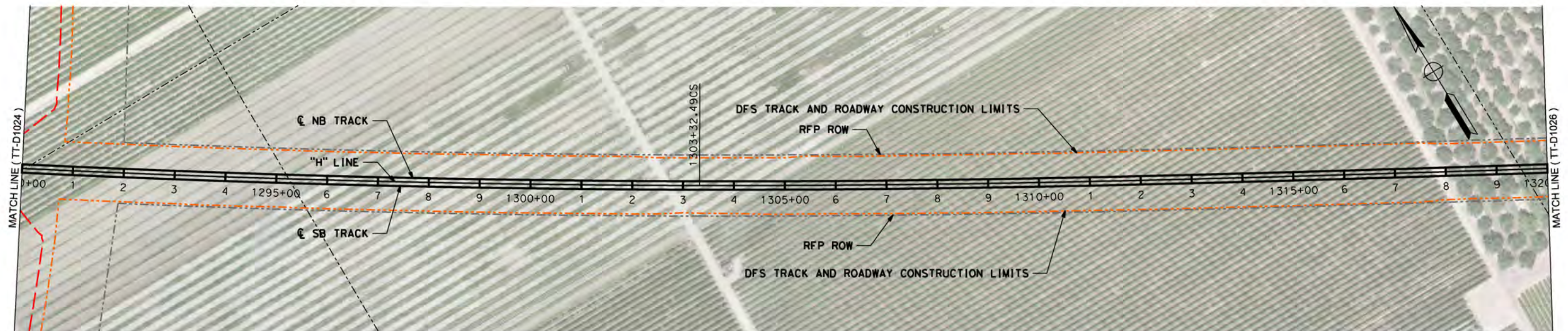
CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT H

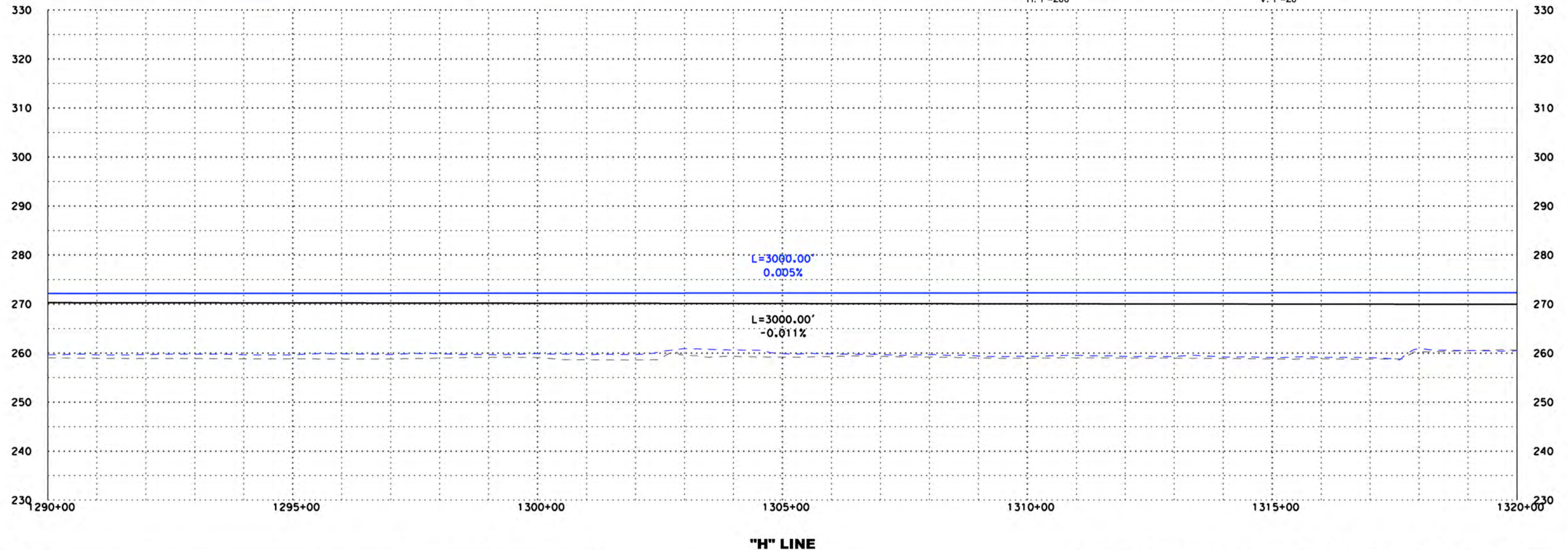
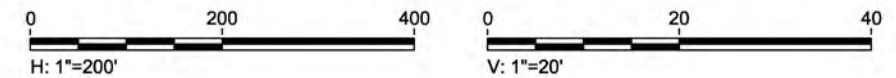
PLAN AND PROFILE
 H 1260+00.00 TO H 1290+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1024
 SCALE
 AS SHOWN
 SHEET NO.

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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



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P. Borney
 DRAWN BY
Z. Rookhuyzen
 CHECKED BY
E. Koram
 IN CHARGE
R. Trevett
 DATE
10/15/14

RECORD SET 15%
 DESIGN SUBMISSION
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 CONSTRUCTION



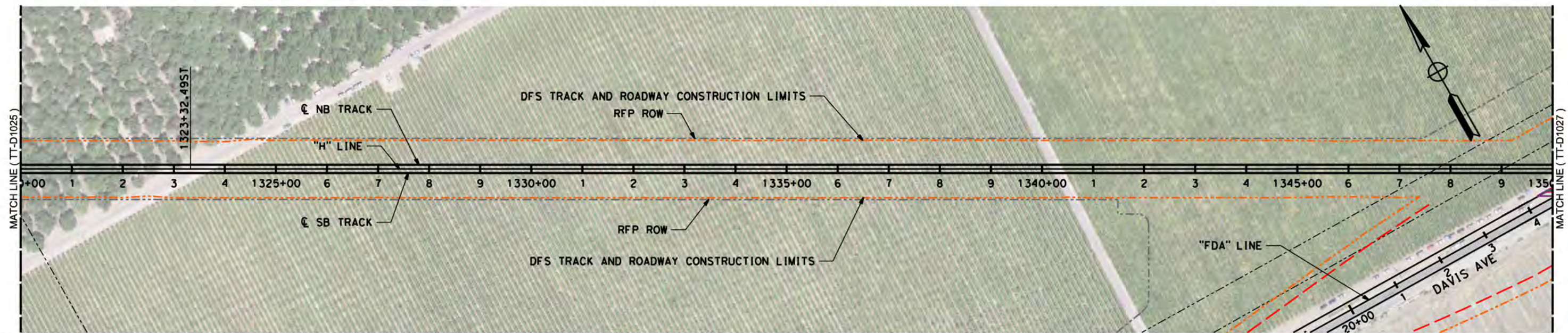
CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 ALIGNMENT H

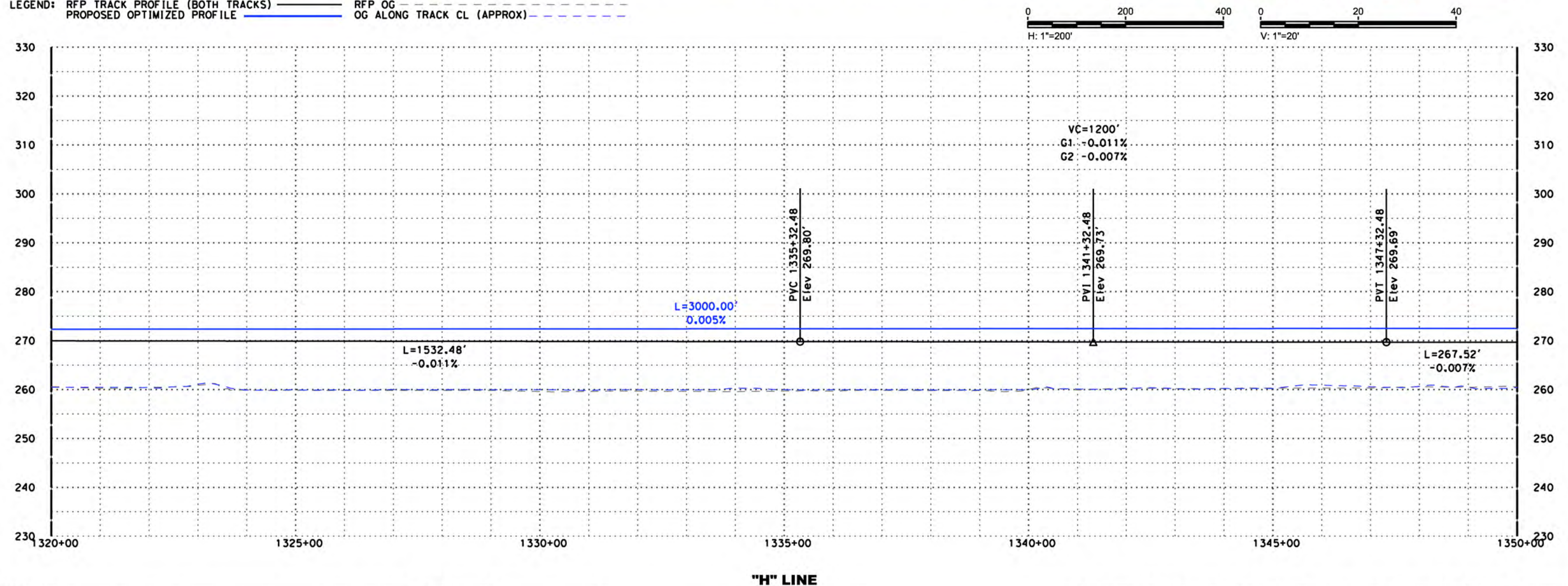
PLAN AND PROFILE
 H 1290+00.00 TO H 1320+00.00

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
D1025
 SCALE
AS SHOWN
 SHEET NO.

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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



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 P. Borney
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 E. Koram
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 R. Trevett
 DATE
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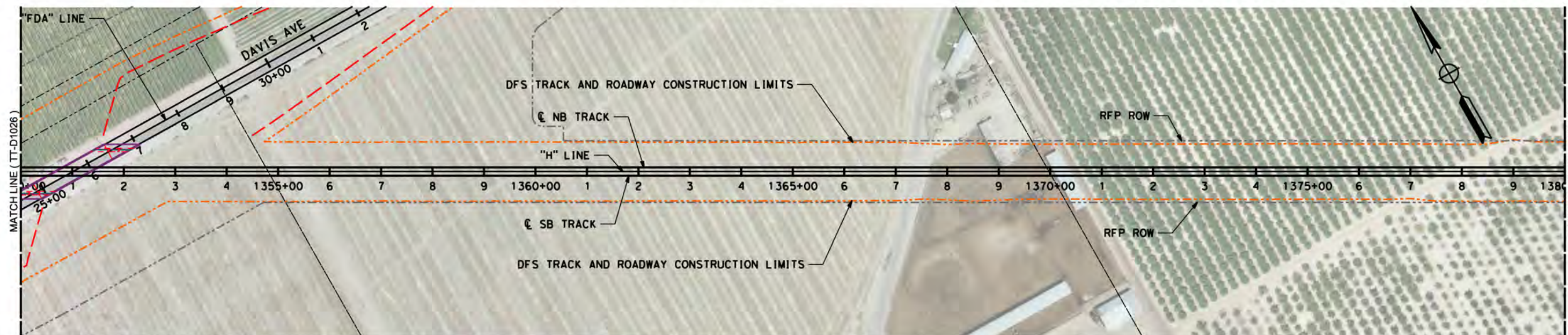


CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

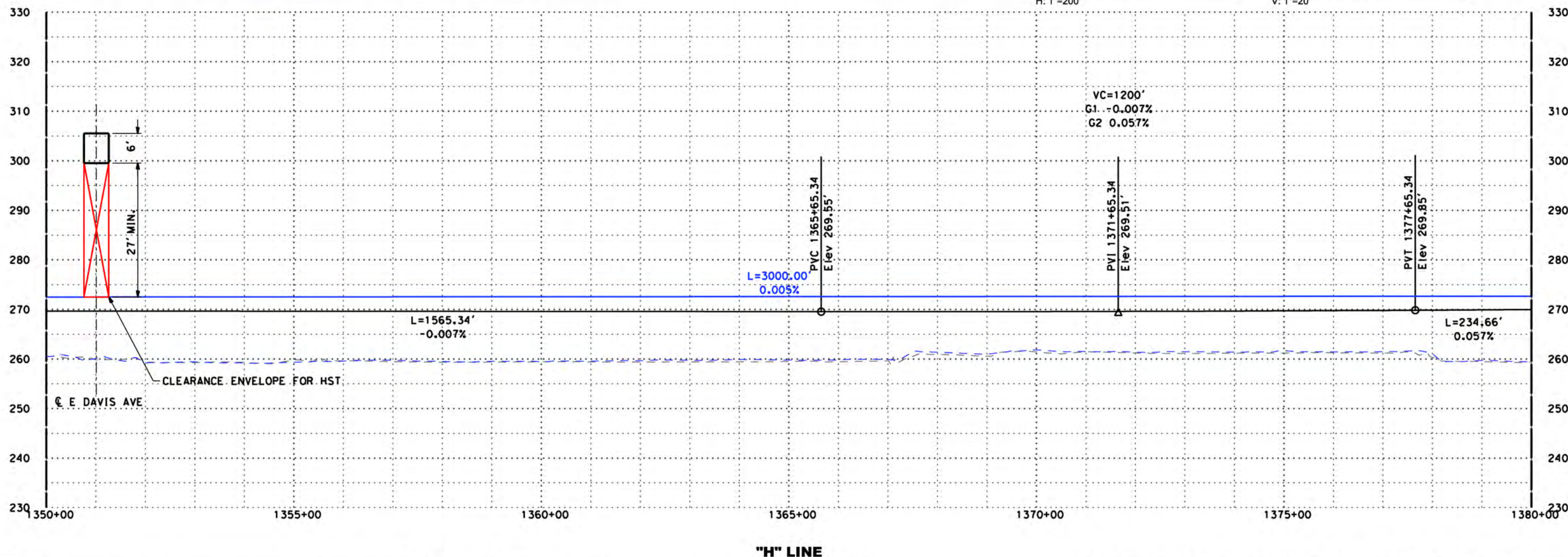
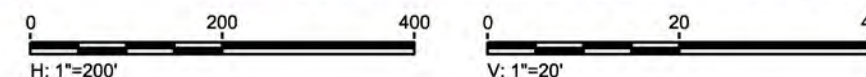
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT H

PLAN AND PROFILE
 3 1320+00.00 TO H 1350+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1026
 SCALE
 AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



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 P. Borney
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 Z. Rookhuyzen
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 10/15/14

RECORD SET 15%
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 CONSTRUCTION

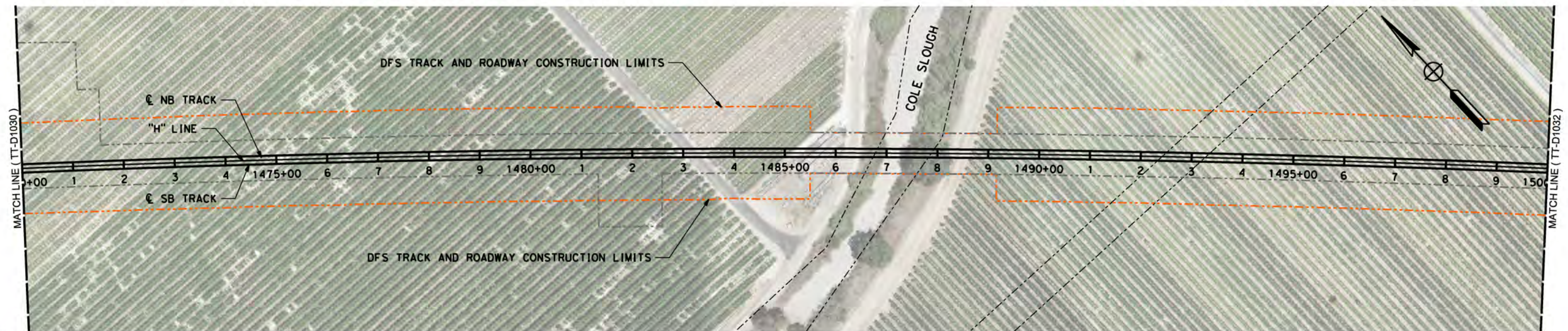


CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

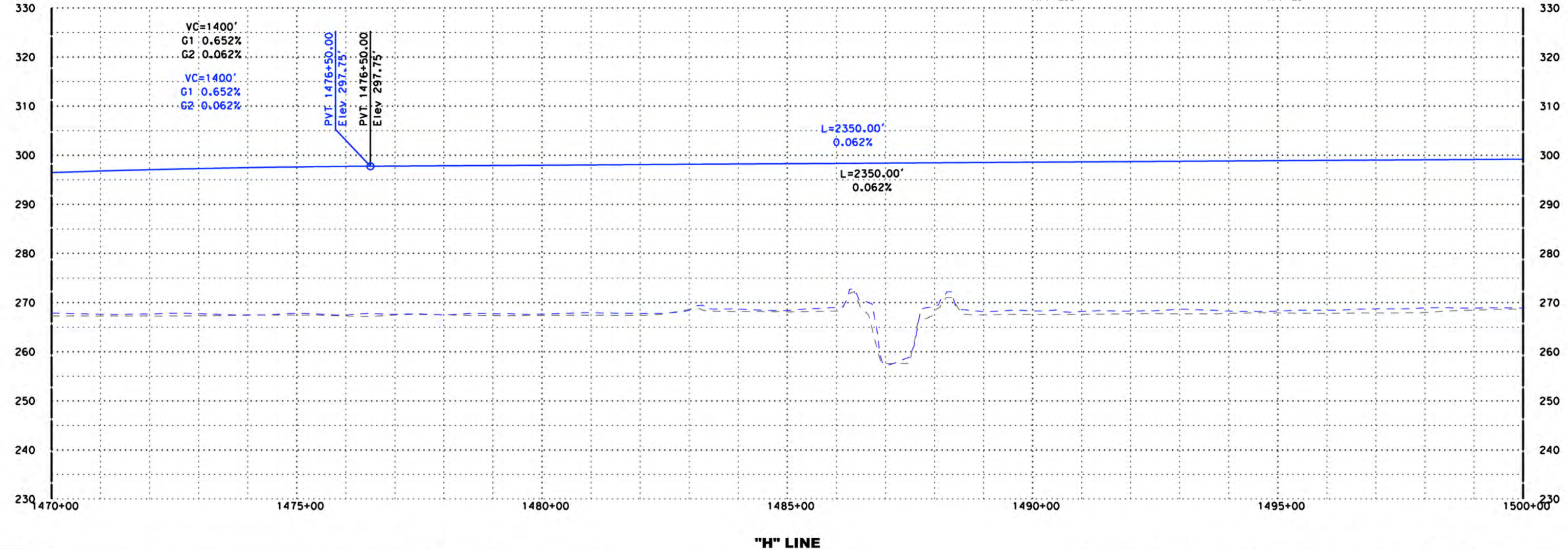
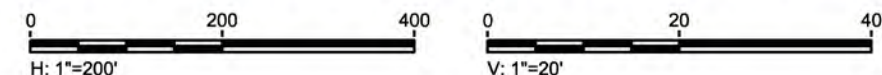
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT H

PLAN AND PROFILE
 H 1350+00.00 TO H 1380+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1027
 SCALE
 AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



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 P. Borney
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 Z. Rookhuyzen
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
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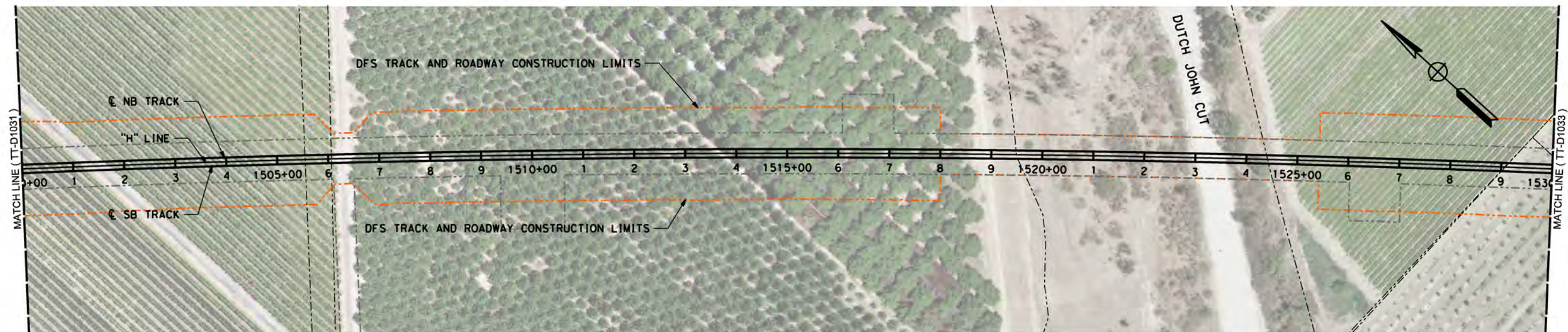
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 DESIGN SUBMISSION
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 CONSTRUCTION



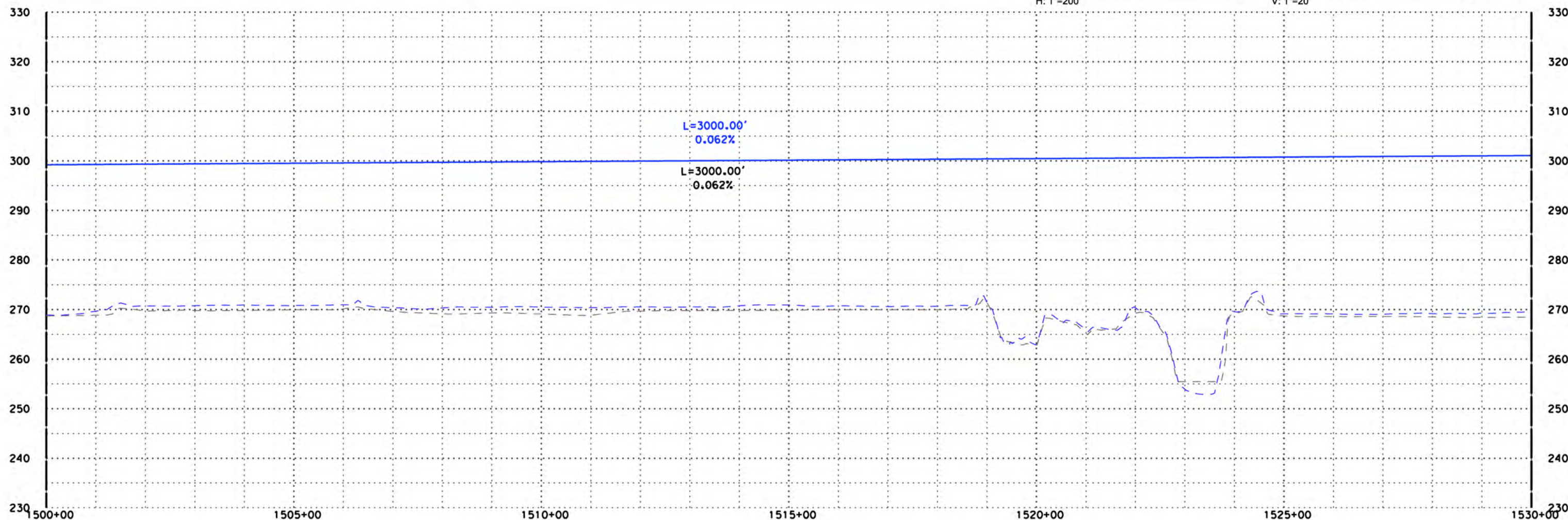
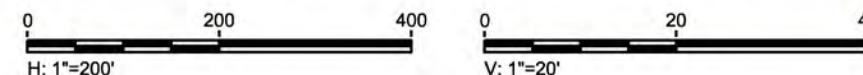
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD**
 ALIGNMENT H
 PLAN AND PROFILE
 H 1470+00.00 TO H 1500+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1031
 SCALE
 AS SHOWN
 SHEET NO.

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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



"H" LINE

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 R. Trevett
 DATE
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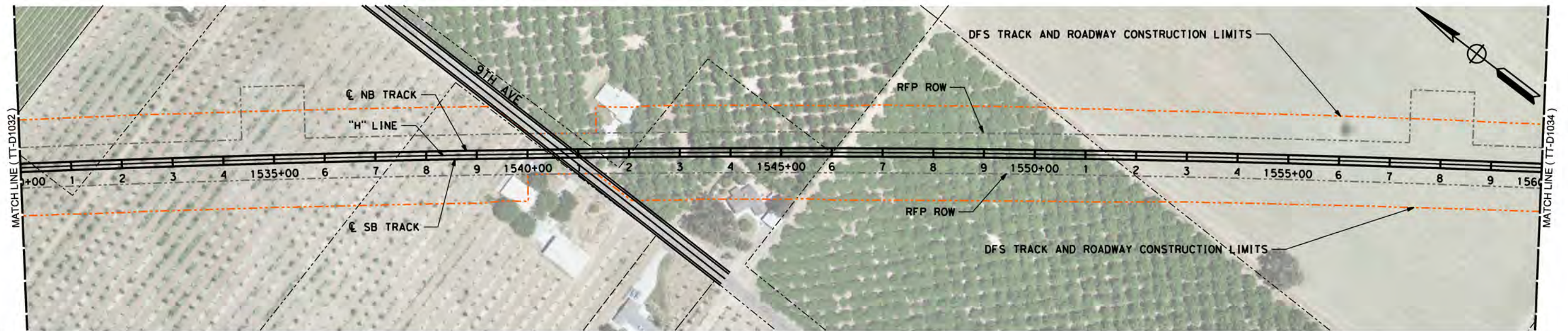
CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT H

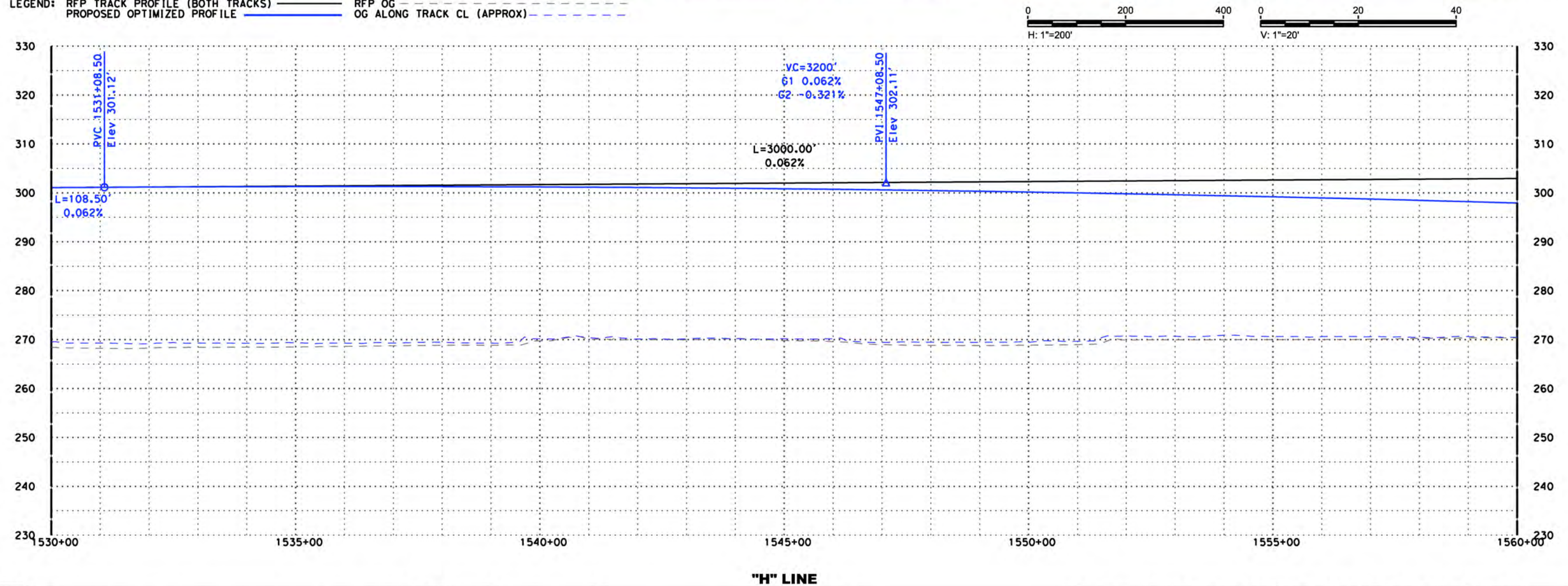
PLAN AND PROFILE
 H 1500+00.00 TO H 1530+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1032
 SCALE
 AS SHOWN
 SHEET NO.

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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



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Z. Rookhuyzen
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IN CHARGE
R. Trevett
DATE
10/15/14

RECORD SET 15%
DESIGN SUBMISSION

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CONSTRUCTION

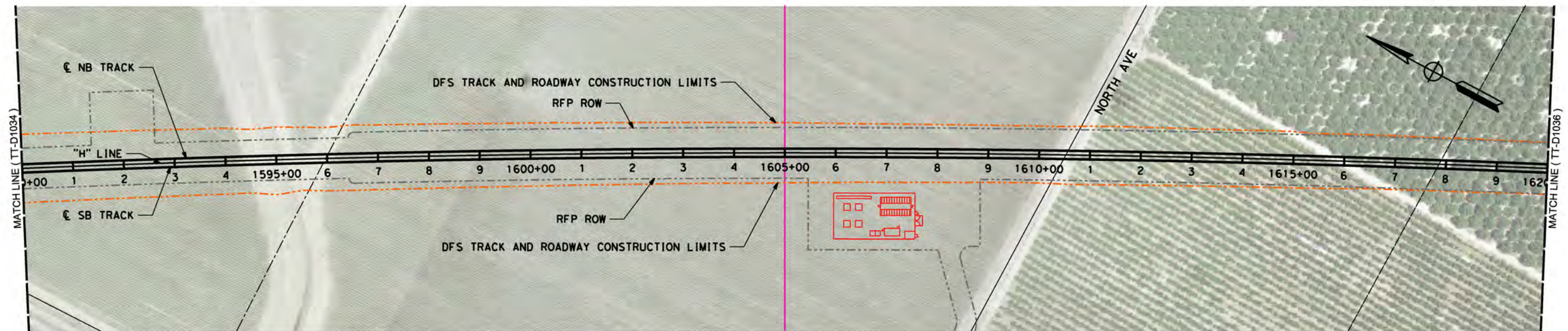


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

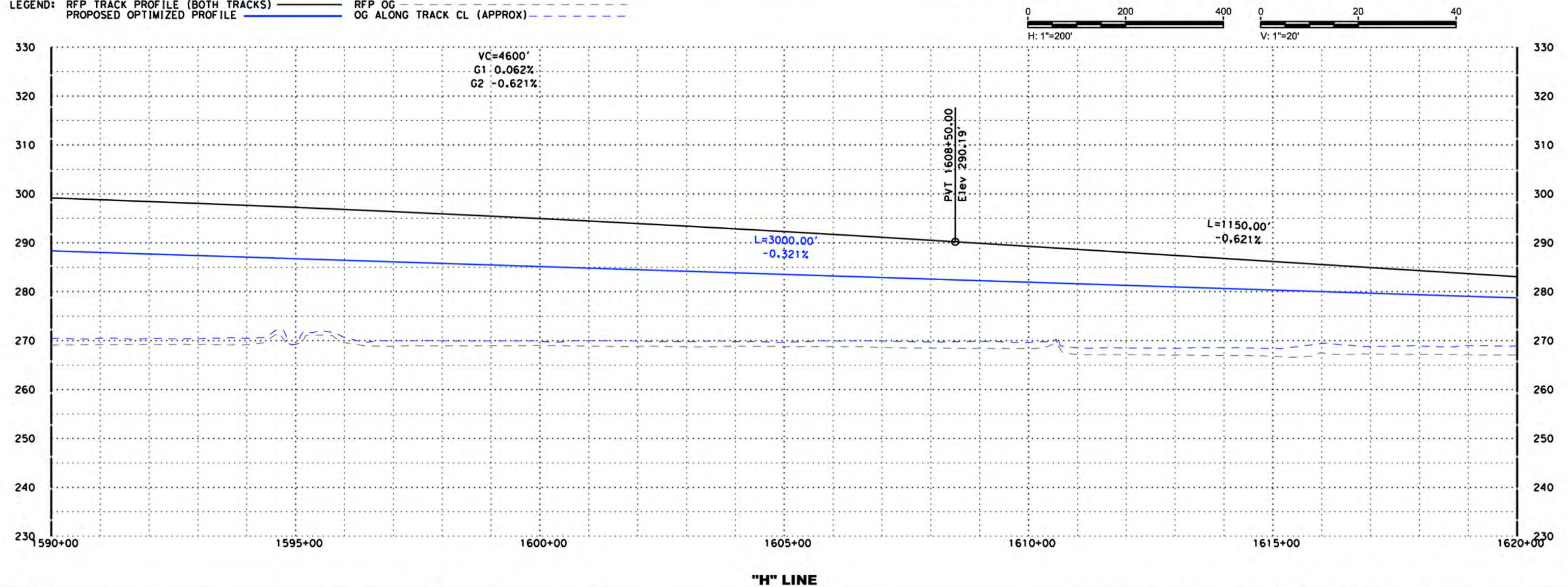
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT H

PLAN AND PROFILE
H 1530+00.00 TO H 1560+00.00

CONTRACT NO.
HSR 06-0003
DRAWING NO.
D1033
SCALE
AS SHOWN
SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



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 P. Borney
 DRAWN BY
 Z. Rookhuyzen
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 10/15/14

RECORD SET 15%
 DESIGN SUBMISSION
 NOT FOR
 CONSTRUCTION

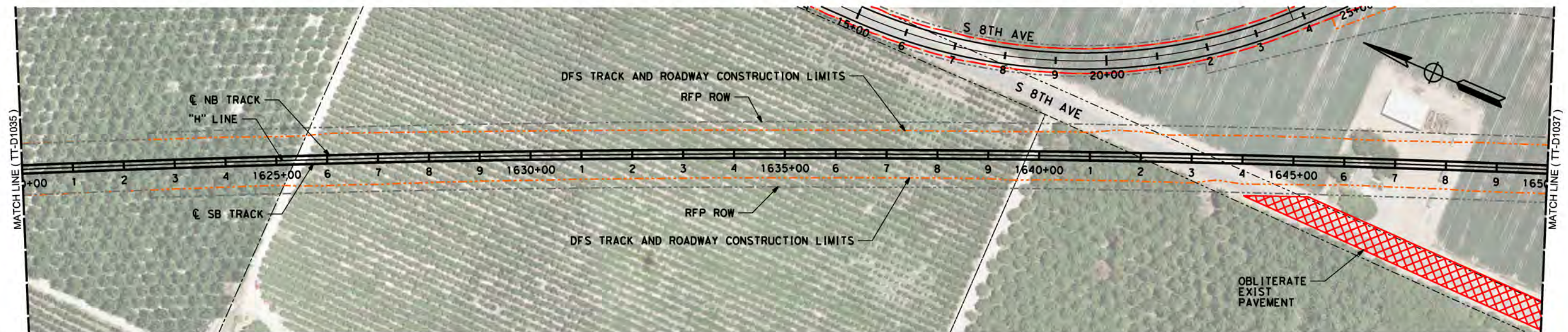


CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

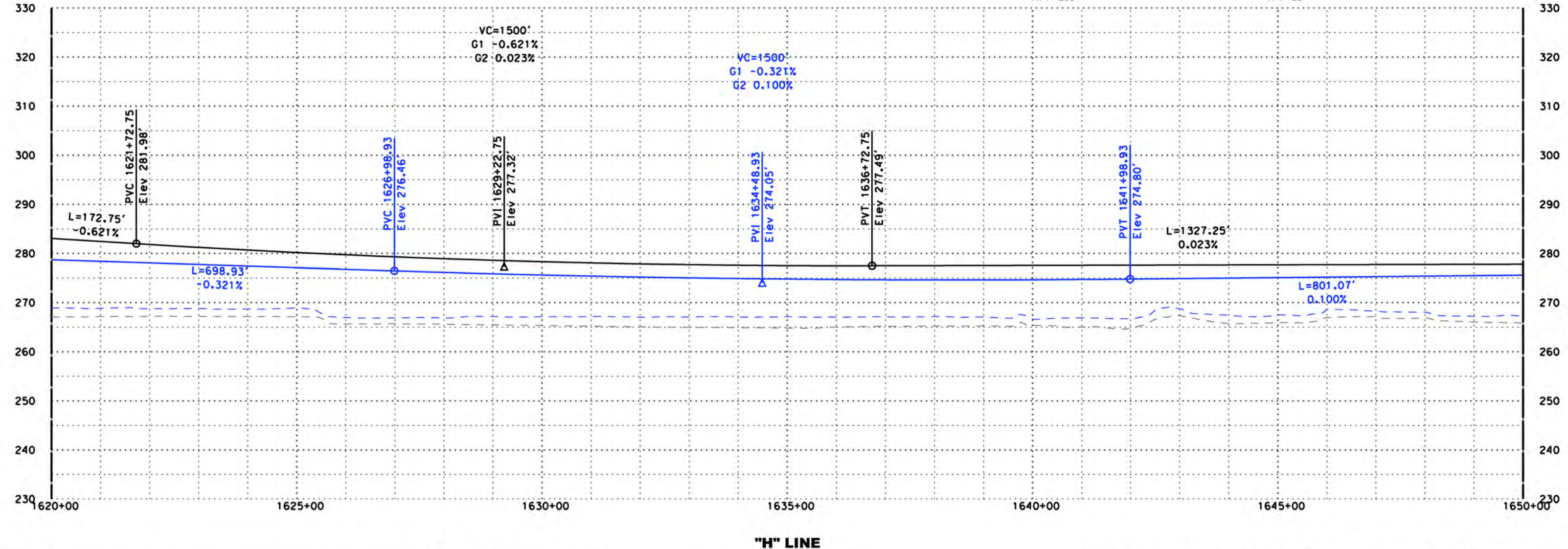
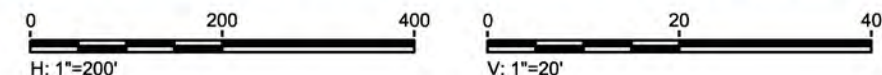
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT H

PLAN AND PROFILE
 H 1590+00.00 TO H 1620+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1035
 SCALE
 AS SHOWN
 SHEET NO.

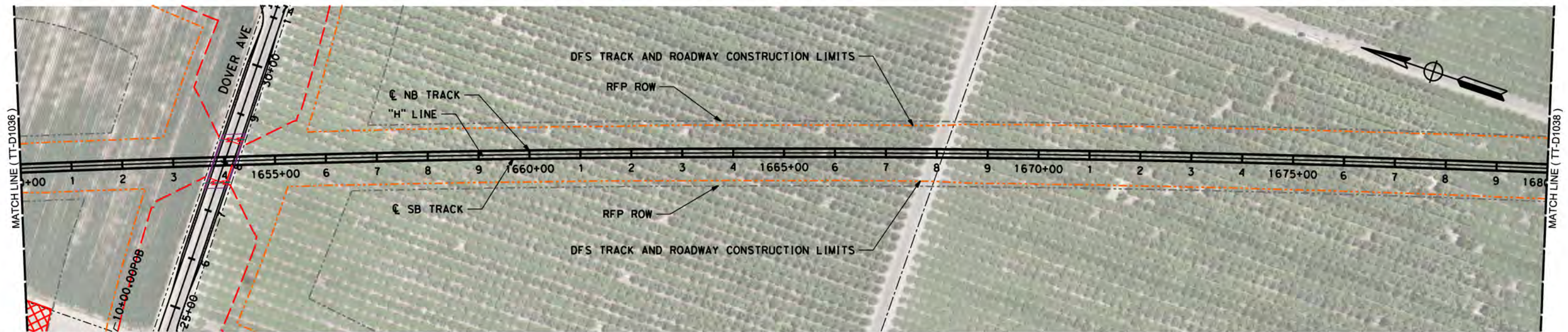


LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -

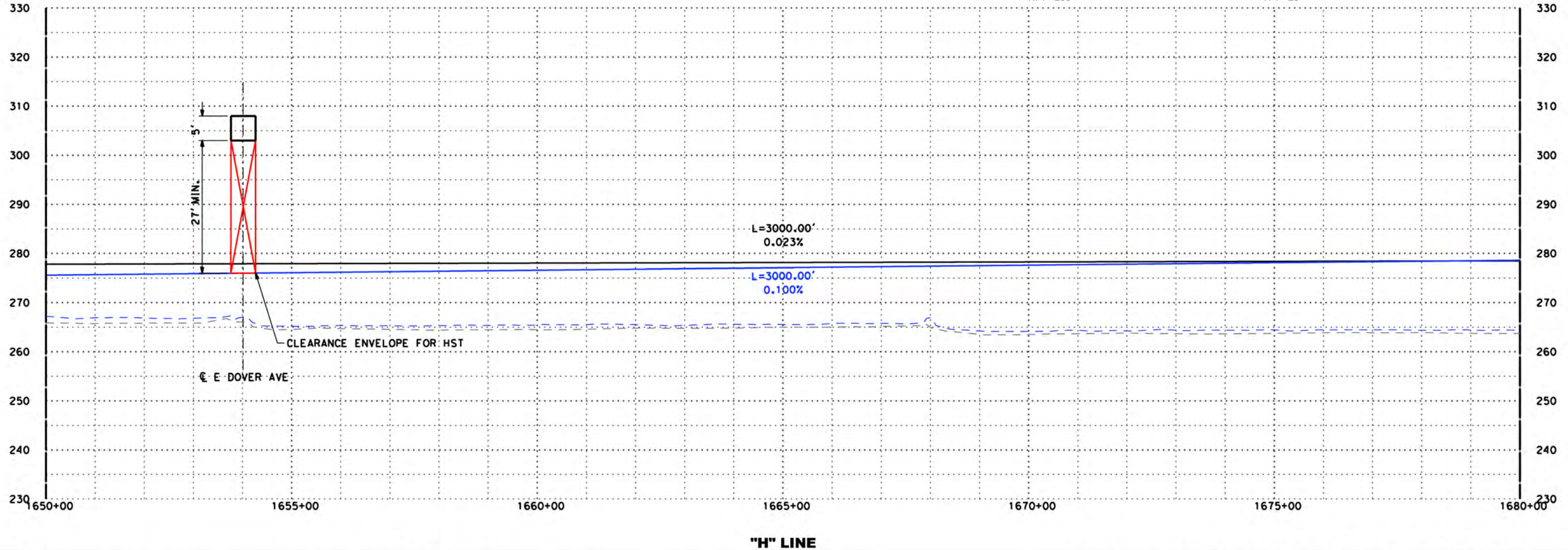
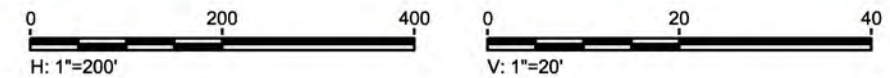


10/14/2014 10:18:31 AM CHSTP.tbl CHSR_pdf_full.plt c:\pwworking\val\partingtons\d0168034\FB-SEG3-H_TT-D1036.dgn DISCLAIMER: THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.	DESIGNED BY P. Borney DRAWN BY Z. Rookhuyzen CHECKED BY E. Karam IN CHARGE R. Trevett DATE 10/15/14	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION	 	CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD ALIGNMENT H PLAN AND PROFILE H 1620+00.00 TO H 1650+00.00	CONTRACT NO. HSR 06-0003 DRAWING NO. D1036 SCALE AS SHOWN SHEET NO.
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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



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DESIGNED BY
P. Borney
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Koram
IN CHARGE
R. Trevett
DATE
10/15/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

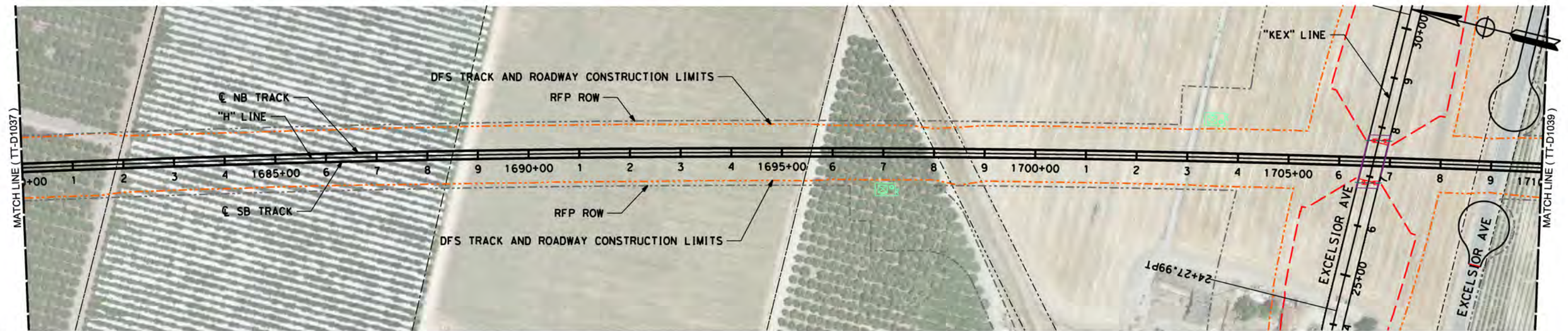


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

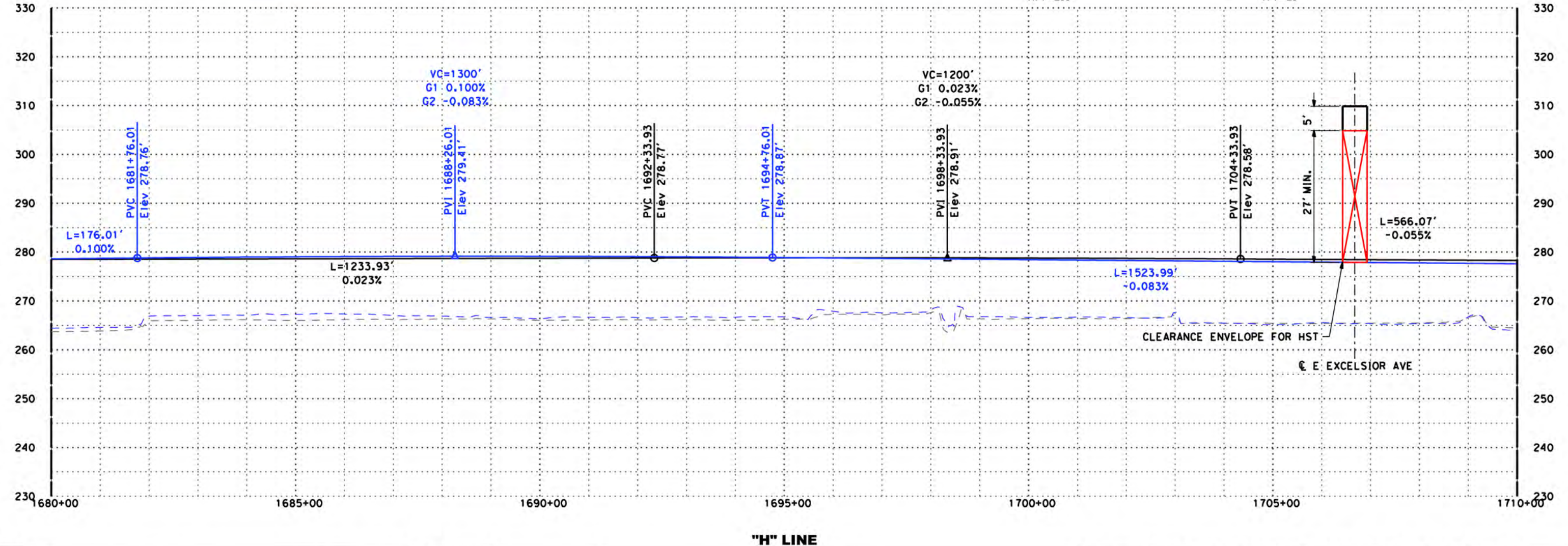
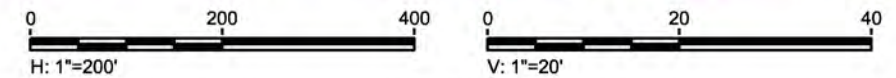
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT H

PLAN AND PROFILE
H 1650+00.00 TO H 1680+00.00

CONTRACT NO.
HSR 06-0003
DRAWING NO.
D1037
SCALE
AS SHOWN
SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



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DESIGNED BY
 P. Borney
 DRAWN BY
 Z. Rookhuyzen
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 10/15/14

RECORD SET 15%
 DESIGN SUBMISSION
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 CONSTRUCTION

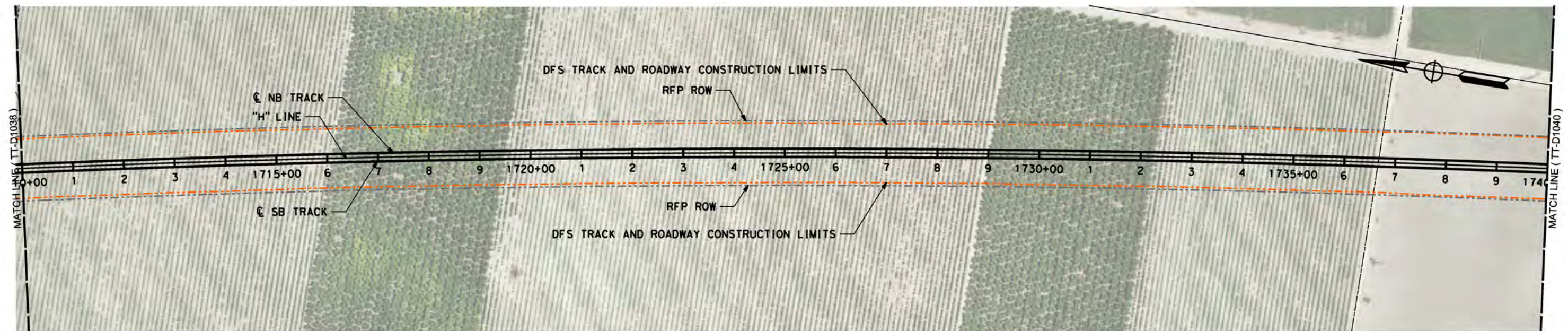


CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

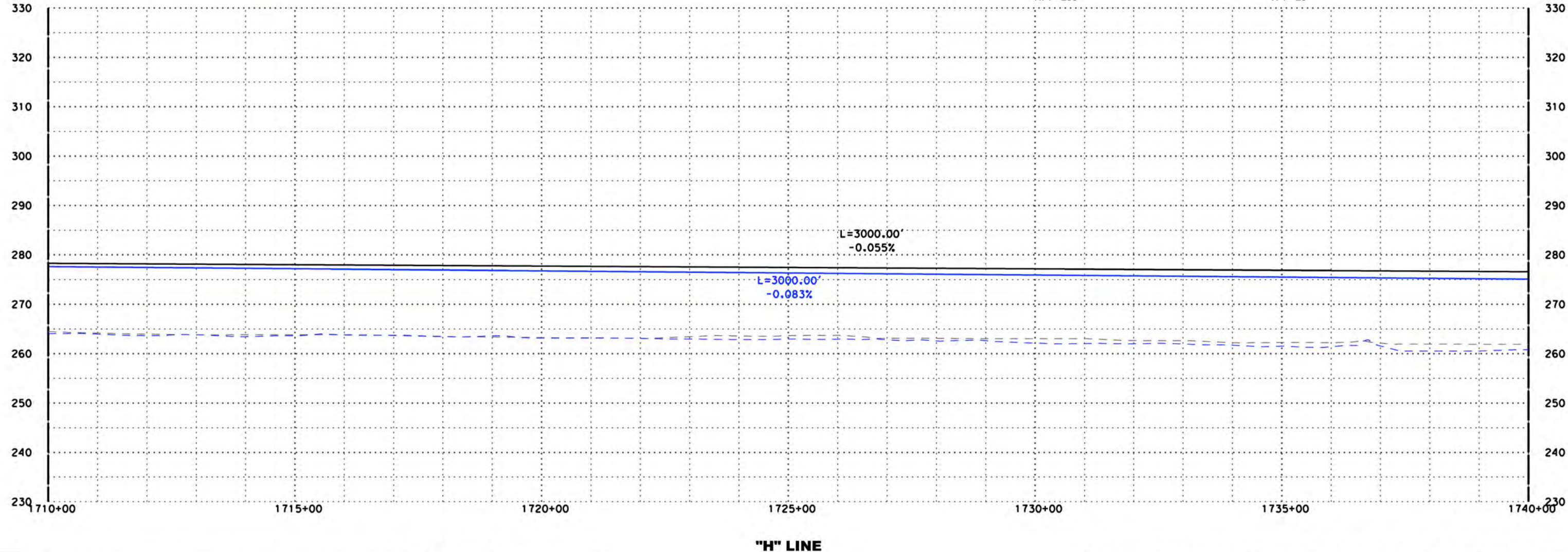
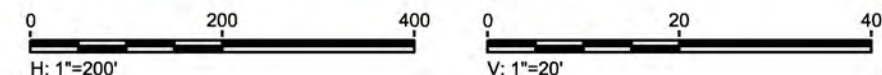
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT H

PLAN AND PROFILE
 H 1680+00.00 TO H 1710+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1038
 SCALE
 AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



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DESIGNED BY
P. Borney
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
10/15/14

RECORD SET 15%
DESIGN SUBMISSION

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CONSTRUCTION

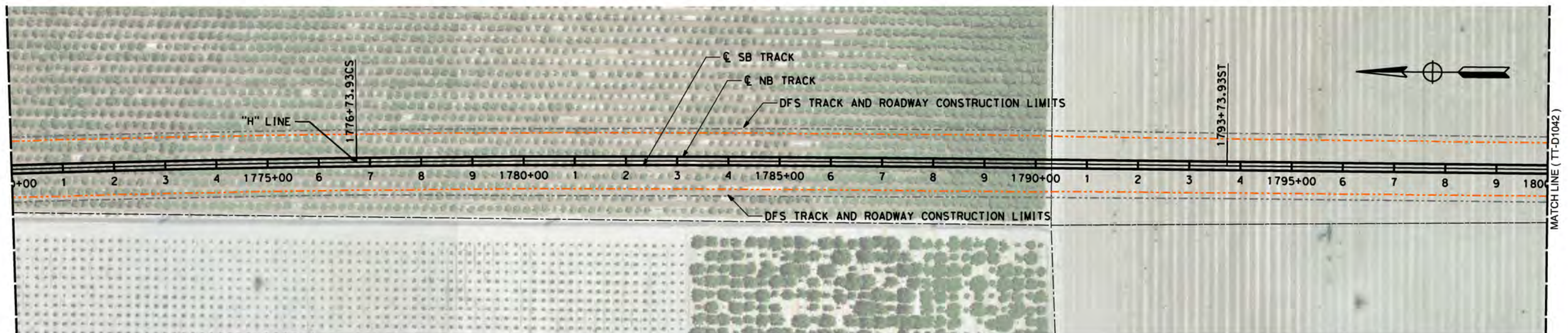


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

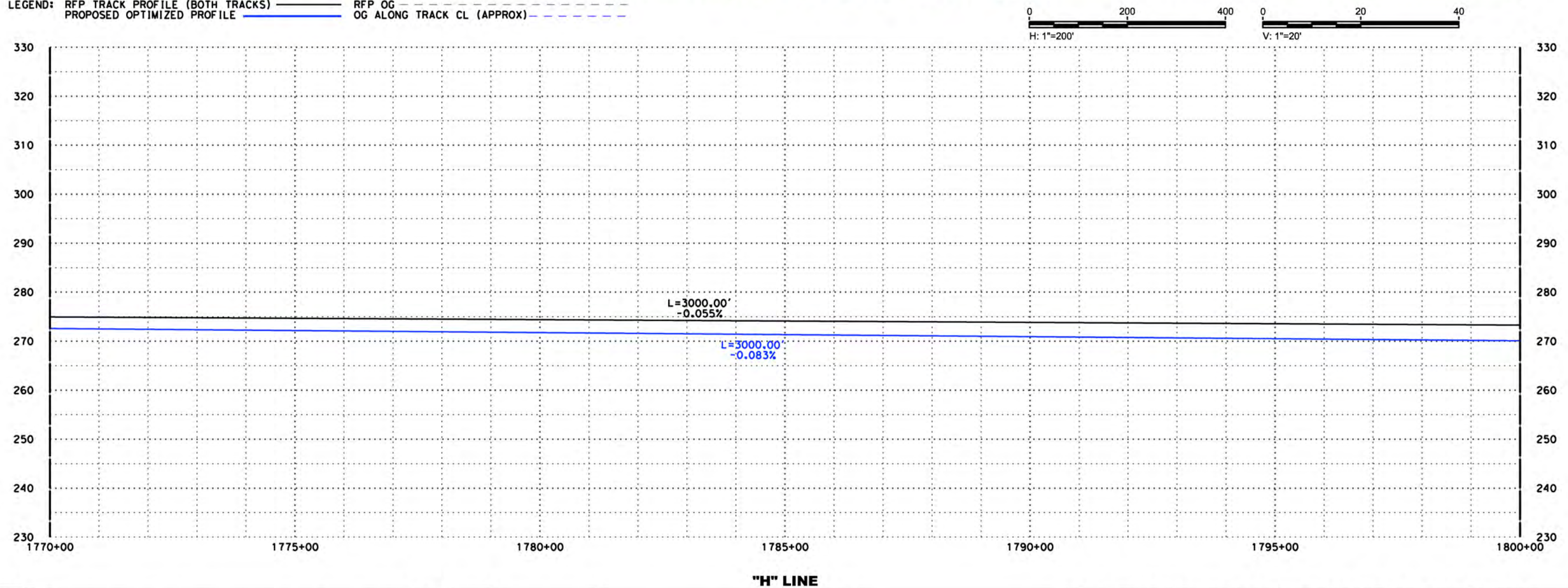
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT H

PLAN AND PROFILE
H 1710+00.00 TO H 1740+00.00

CONTRACT NO.
HSR 06-0003
DRAWING NO.
D1039
SCALE
AS SHOWN
SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



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N	DESIGNED BY P. Barney
	DRAWN BY S. Partington
	CHECKED BY E. Karam
	IN CHARGE R. Trevett
	DATE 10/15/14

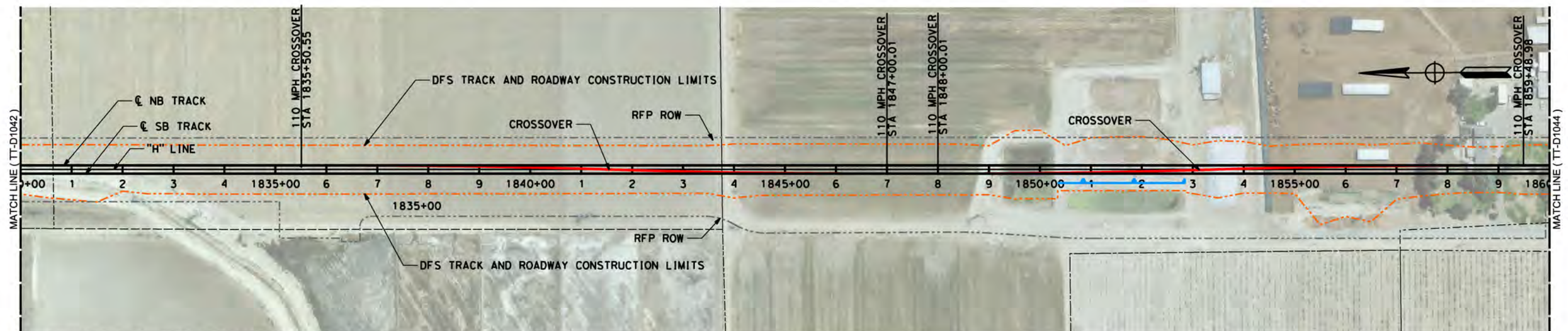
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DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

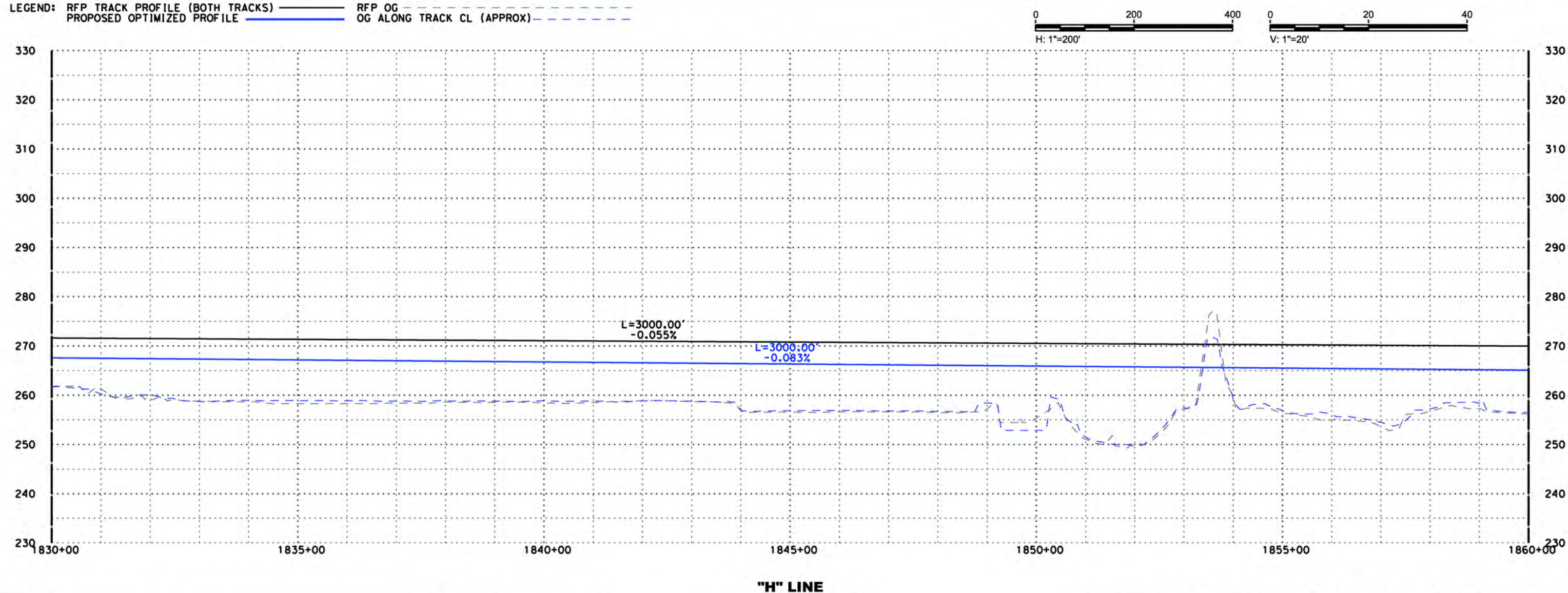


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H **ATC 17**
PLAN AND PROFILE
H 1770+00.00 TO H 1800+00.00

CONTRACT NO.	HSR 06-0003
DRAWING NO.	D1041
SCALE	AS SHOWN
SHEET NO.	



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



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DESIGNED BY	P. Barney
DRAWN BY	S. Partington
CHECKED BY	E. Karam
IN CHARGE	R. Trevett
DATE	10/15/14

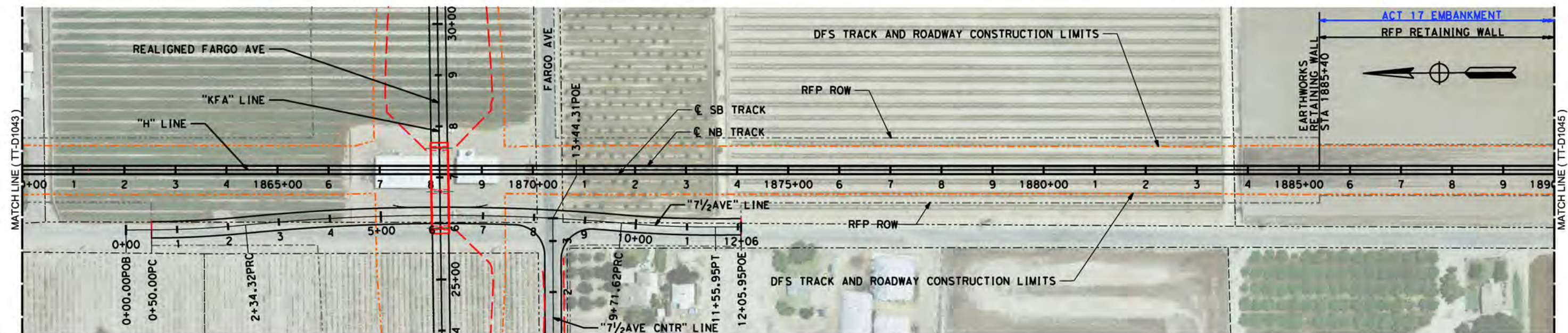
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DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

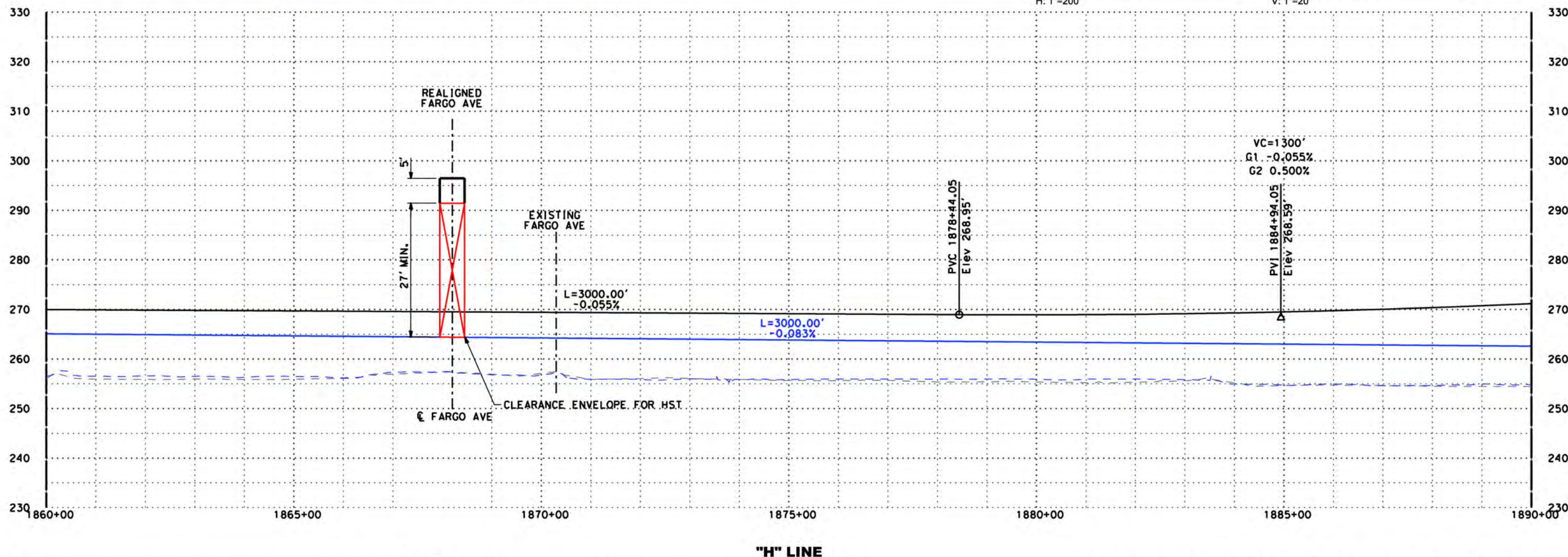
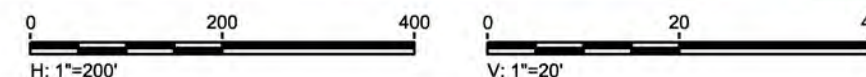


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H **ATC 17**
PLAN AND PROFILE
H 1830+00.00 TO H 1860+00.00

CONTRACT NO.	HSR 06-0003
DRAWING NO.	D1043
SCALE	AS SHOWN
SHEET NO.	



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



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DESIGNED BY
P. Borney
 DRAWN BY
S. Partington
 CHECKED BY
E. Karam
 IN CHARGE
R. Trevett
 DATE
10/15/14

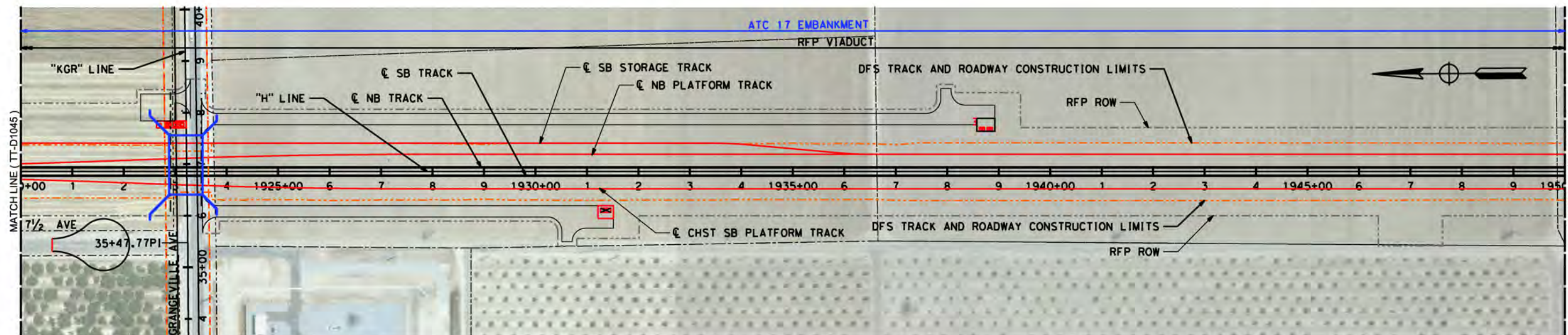
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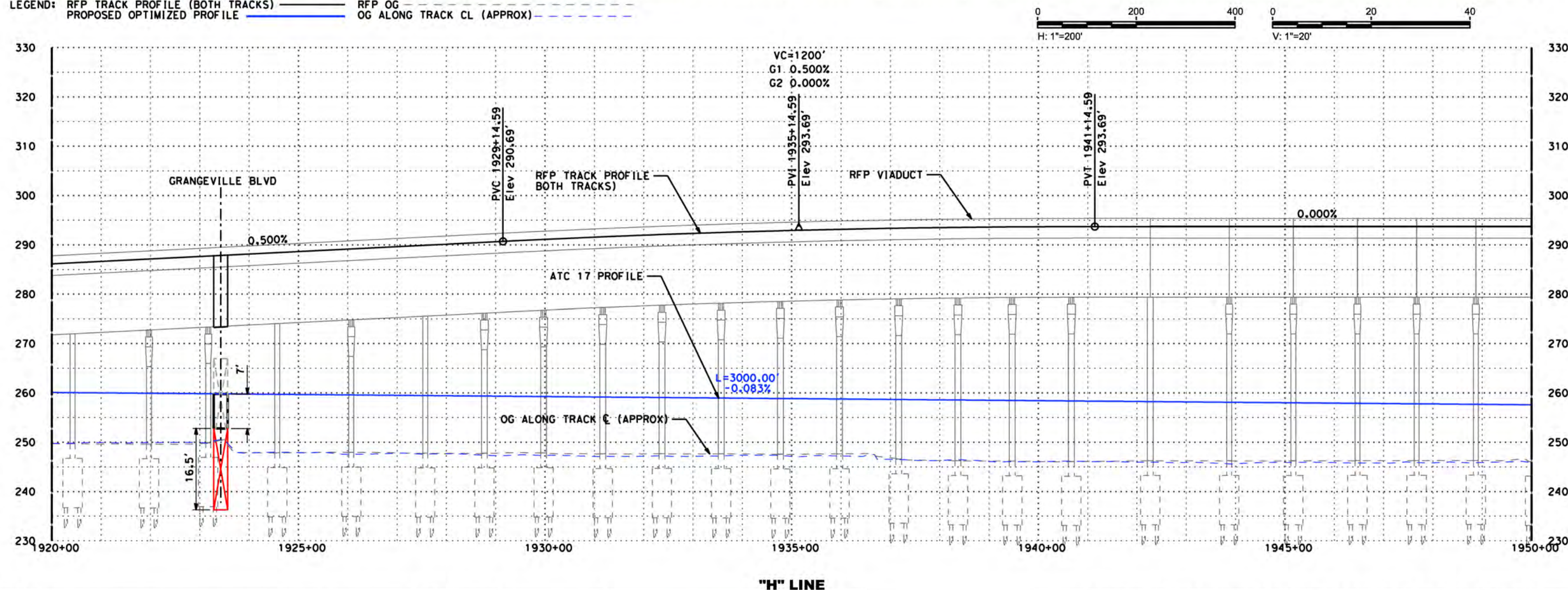
CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 HANFORD SUBSECTION
 ALIGNMENT H
 PLAN AND PROFILE
 H 1860+00.00 TO H 1890+00.00
ATC 17

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
D1044
 SCALE
AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



"H" LINE

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DESIGNED BY
 P. Borney
 DRAWN BY
 S. Partington
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 10/15/14

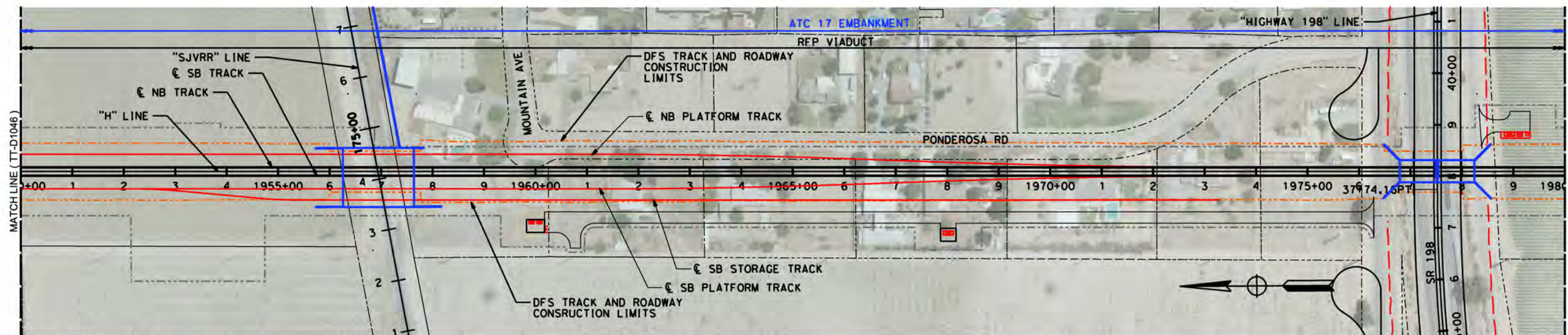
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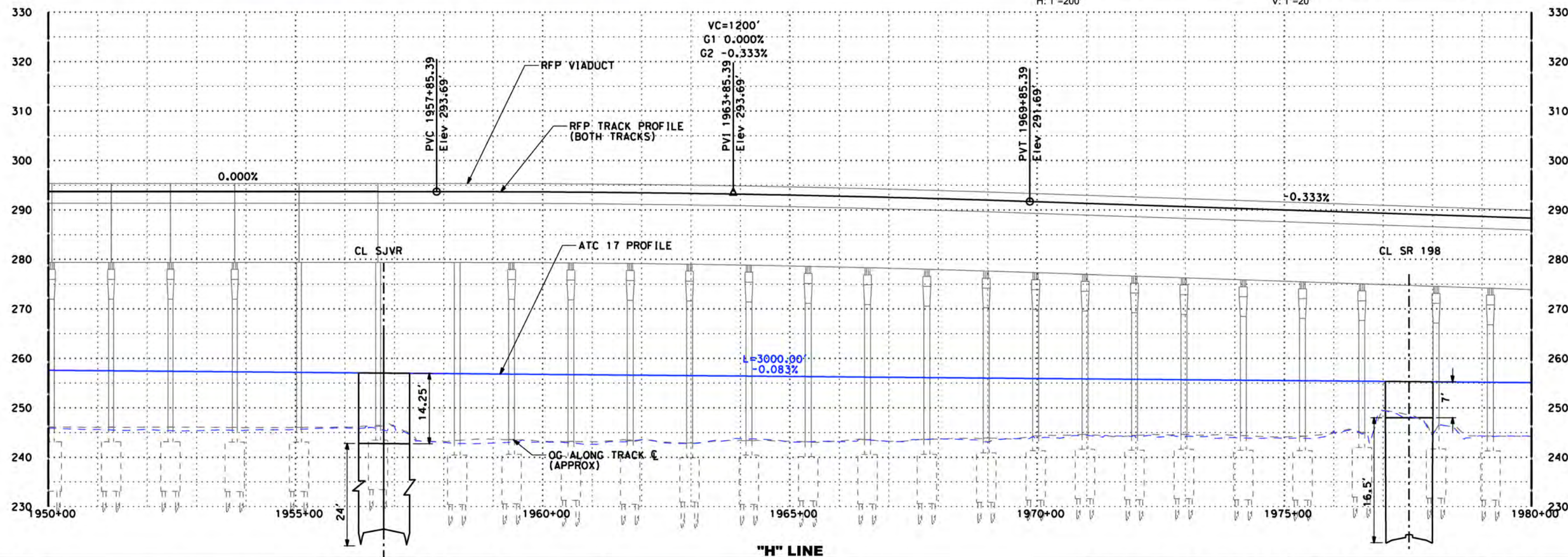
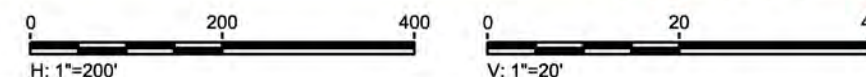
CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 HANFORD SUBSECTION
 ALIGNMENT H
 PLAN AND PROFILE
 H 1920+00.00 TO H 1950+00.00
ATC 17

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1046
 SCALE
 AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



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DESIGNED BY
 P. Borney
 DRAWN BY
 S. Partington
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 8/20/2014

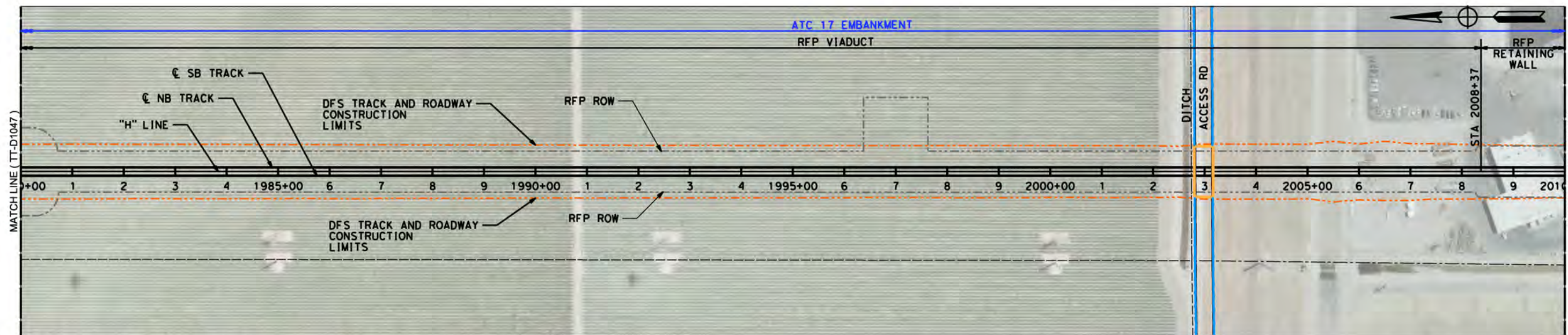
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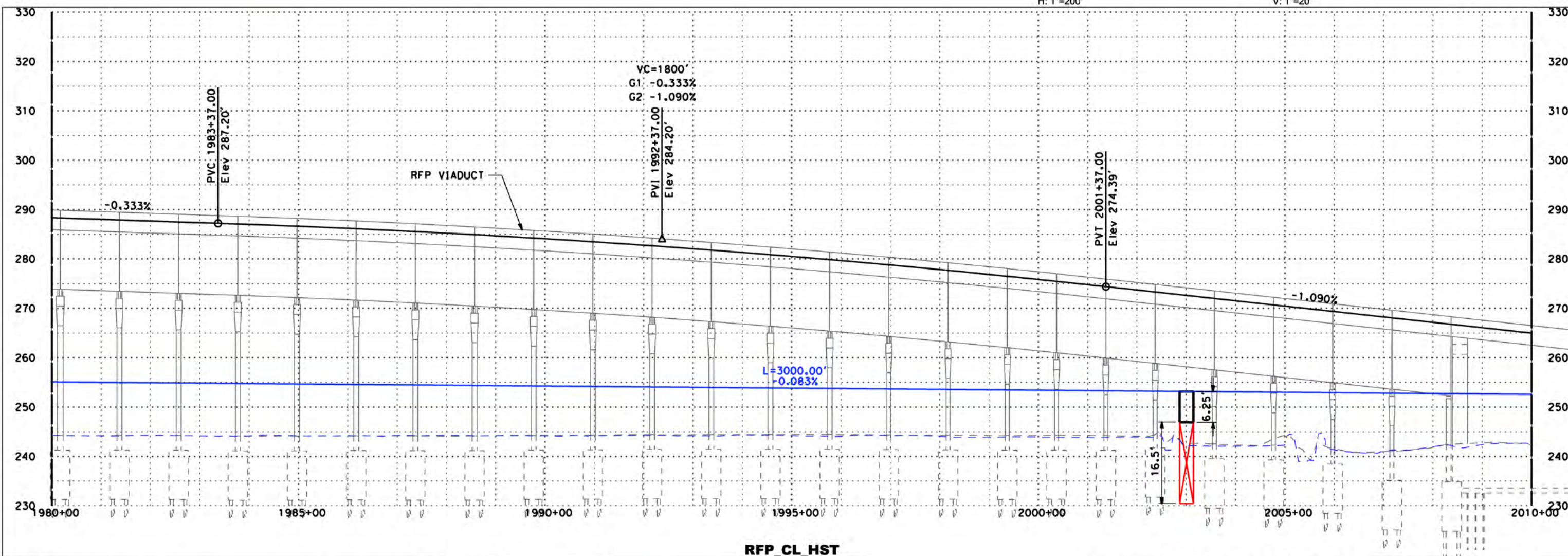
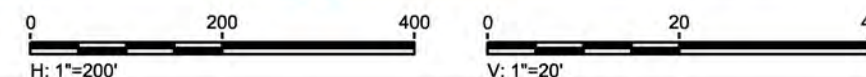
CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 HANFORD SUBSECTION
 ALIGNMENT H
 PLAN AND PROFILE
 H 1950+00.00 TO H 1980+00.00
 ATC 17

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1047
 SCALE
 AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - -



RFP_CL_HST

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DESIGNED BY
 P. Borney
 DRAWN BY
 S. Portington
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 10/15/14

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 CONSTRUCTION

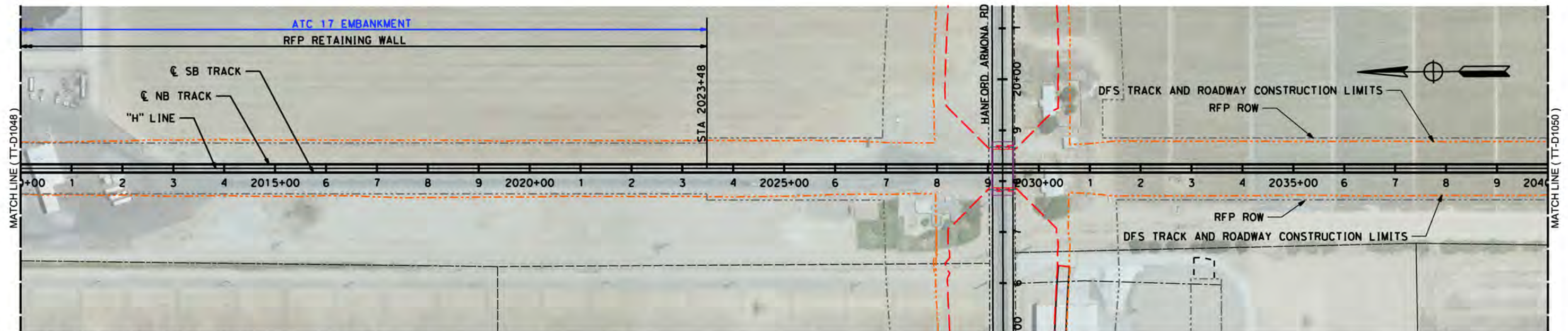


CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

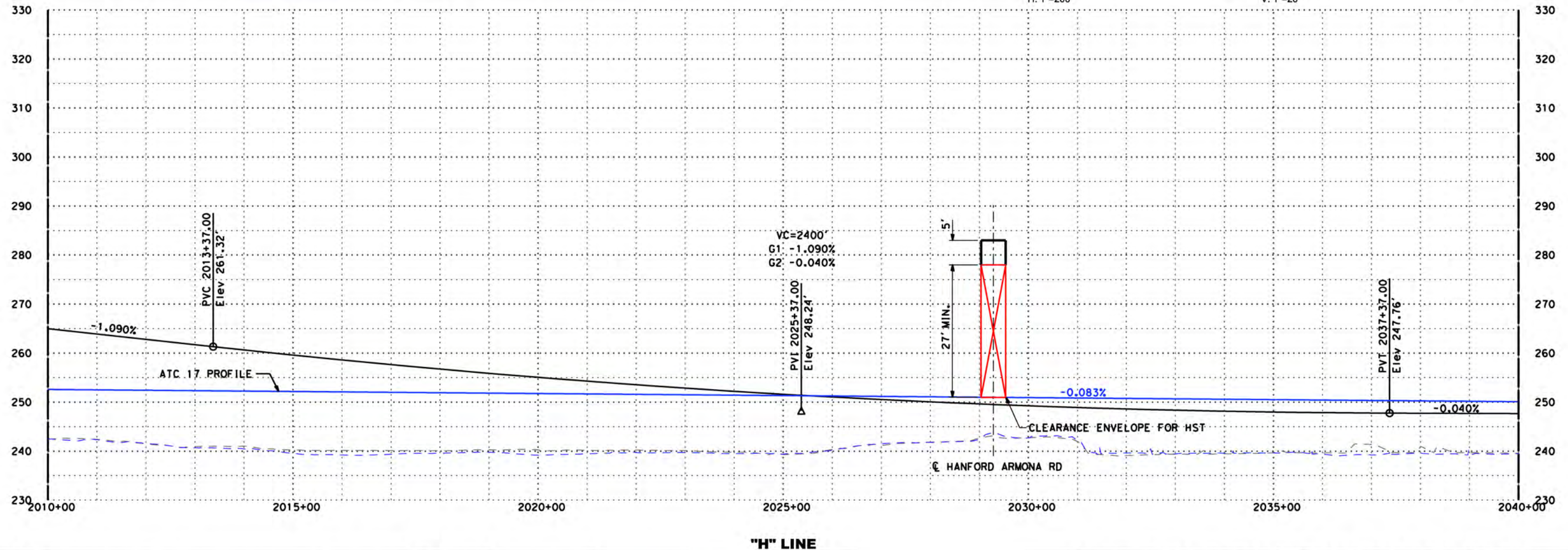
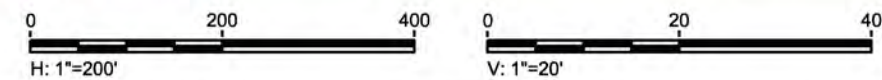
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 HANFORD SUBSECTION
 ALIGNMENT H
 PLAN AND PROFILE
 H 1980+00.00 TO H 2010+00.00
 ATC 17

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1048
 SCALE
 AS SHOWN
 SHEET NO.

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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



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P. Borney
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S. Portington
 CHECKED BY
E. Karam
 IN CHARGE
R. Trevett
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10/15/14

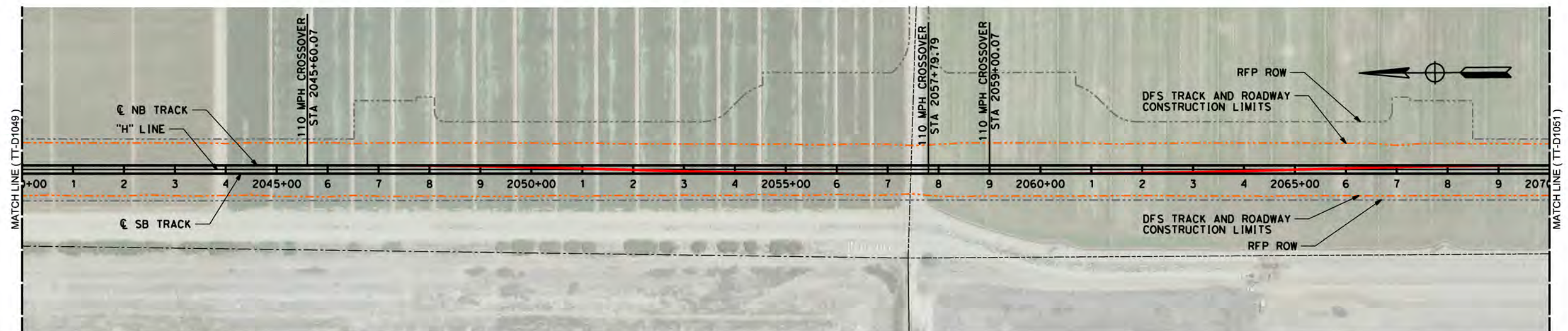
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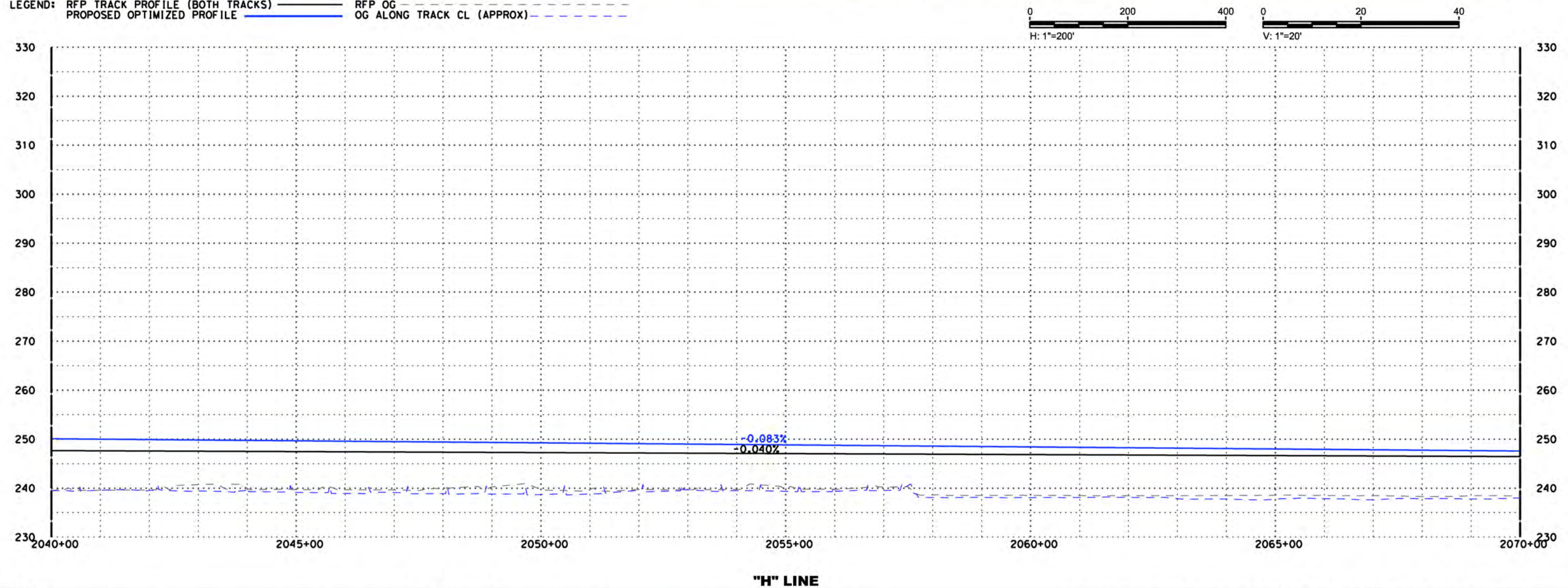
CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 HANFORD SUBSECTION
 ALIGNMENT H
 PLAN AND PROFILE
 H 2010+00.00 TO H 2040+00.00

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
D1049
 SCALE
AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



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DESIGNED BY P. Barney
DRAWN BY Z. Rookhuyzen
CHECKED BY E. Karam
IN CHARGE R. Trevett
DATE 10/15/14

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

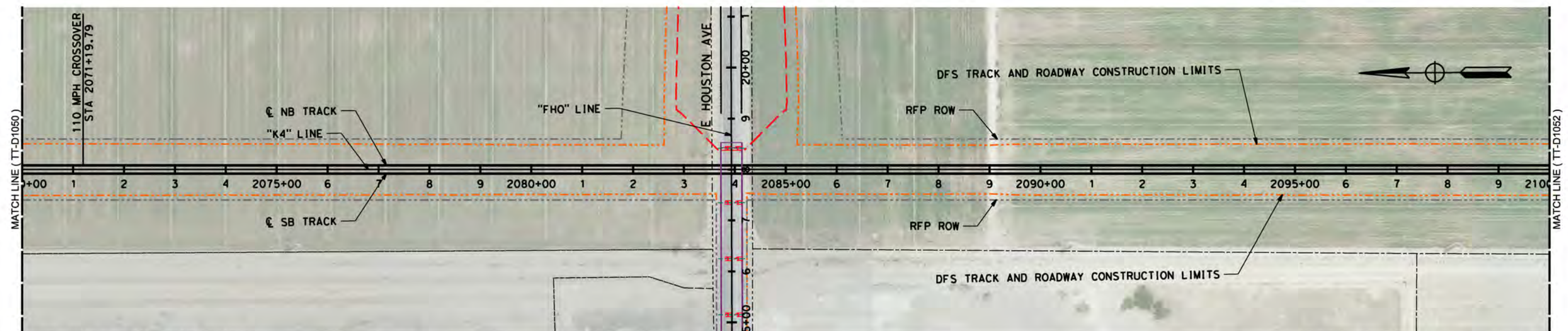


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

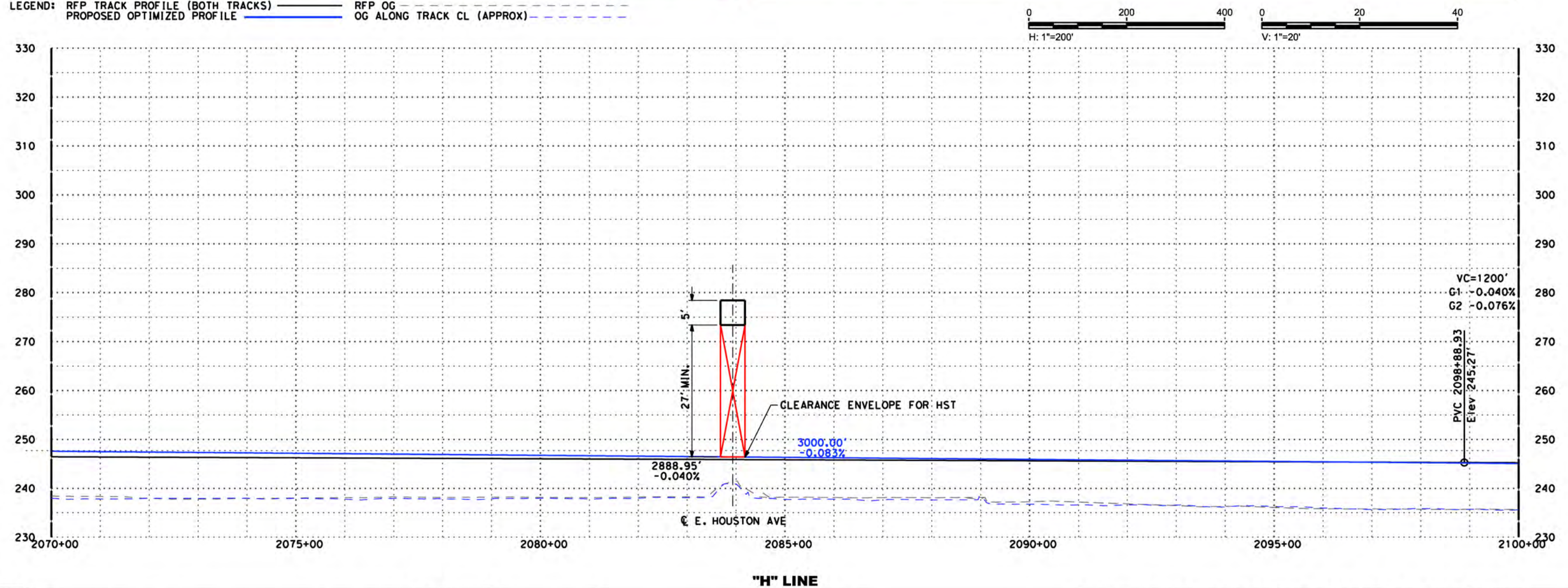
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT H**

PLAN AND PROFILE
H 2040+00.00 TO H 2070+00.00

CONTRACT NO.	HSR 06-0003
DRAWING NO.	D1050
SCALE	AS SHOWN
SHEET NO.	



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



DISCLAIMER:
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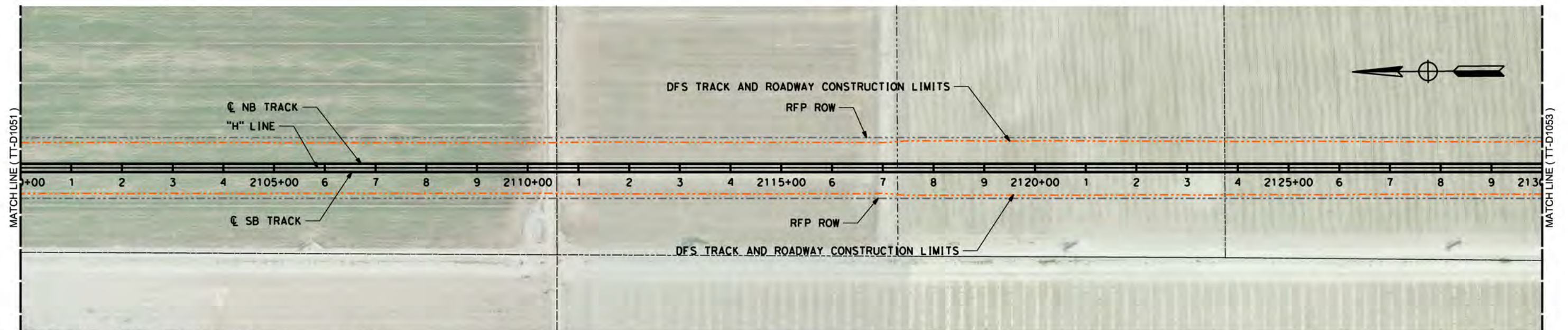
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DESIGN SUBMISSION**

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CONSTRUCTION**

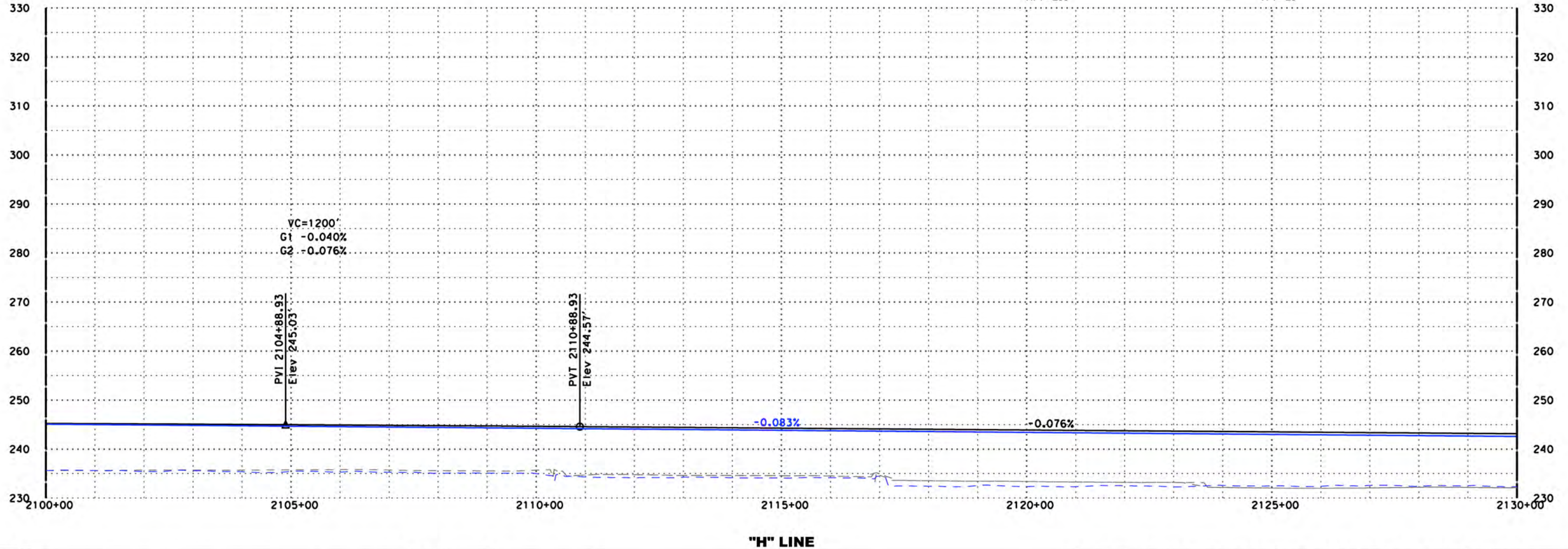
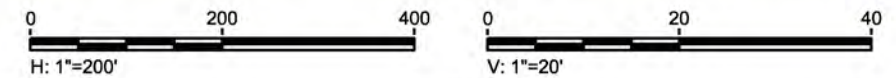


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

PLAN AND PROFILE
H 2070+00.00 TO H 2100+00.00



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



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DESIGNED BY
P. Borney
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
10/15/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

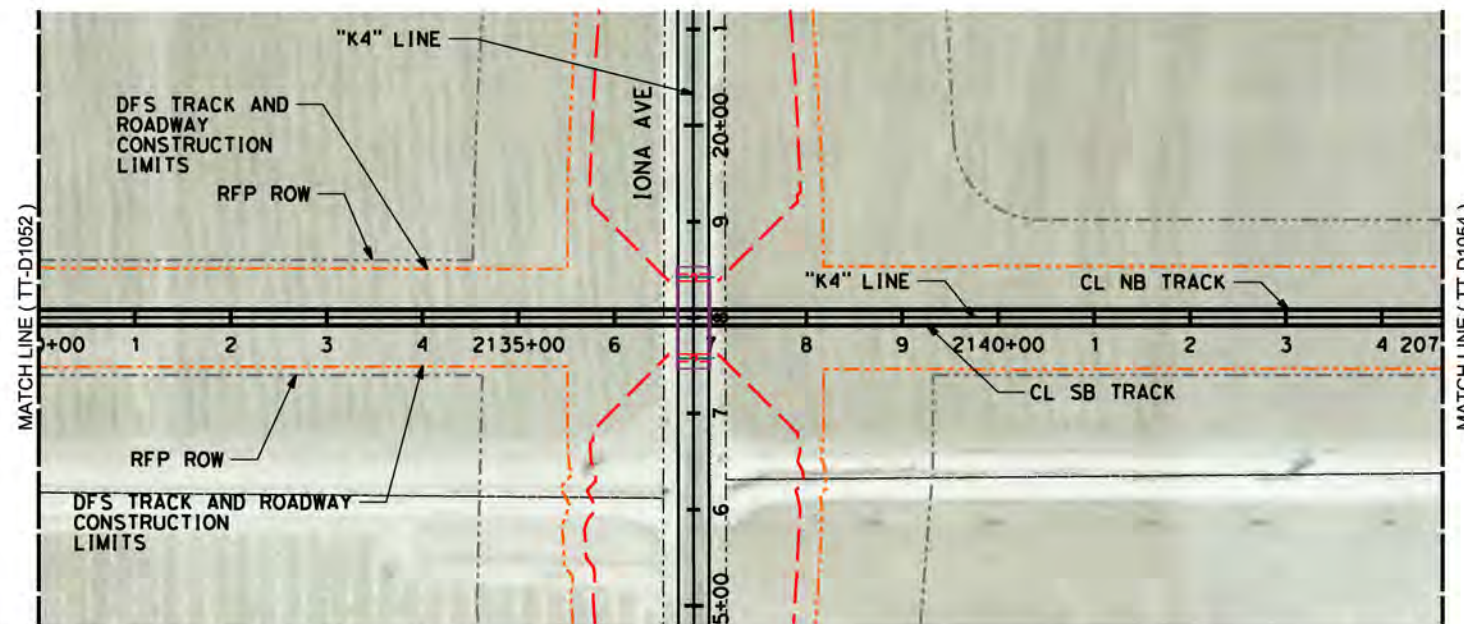


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

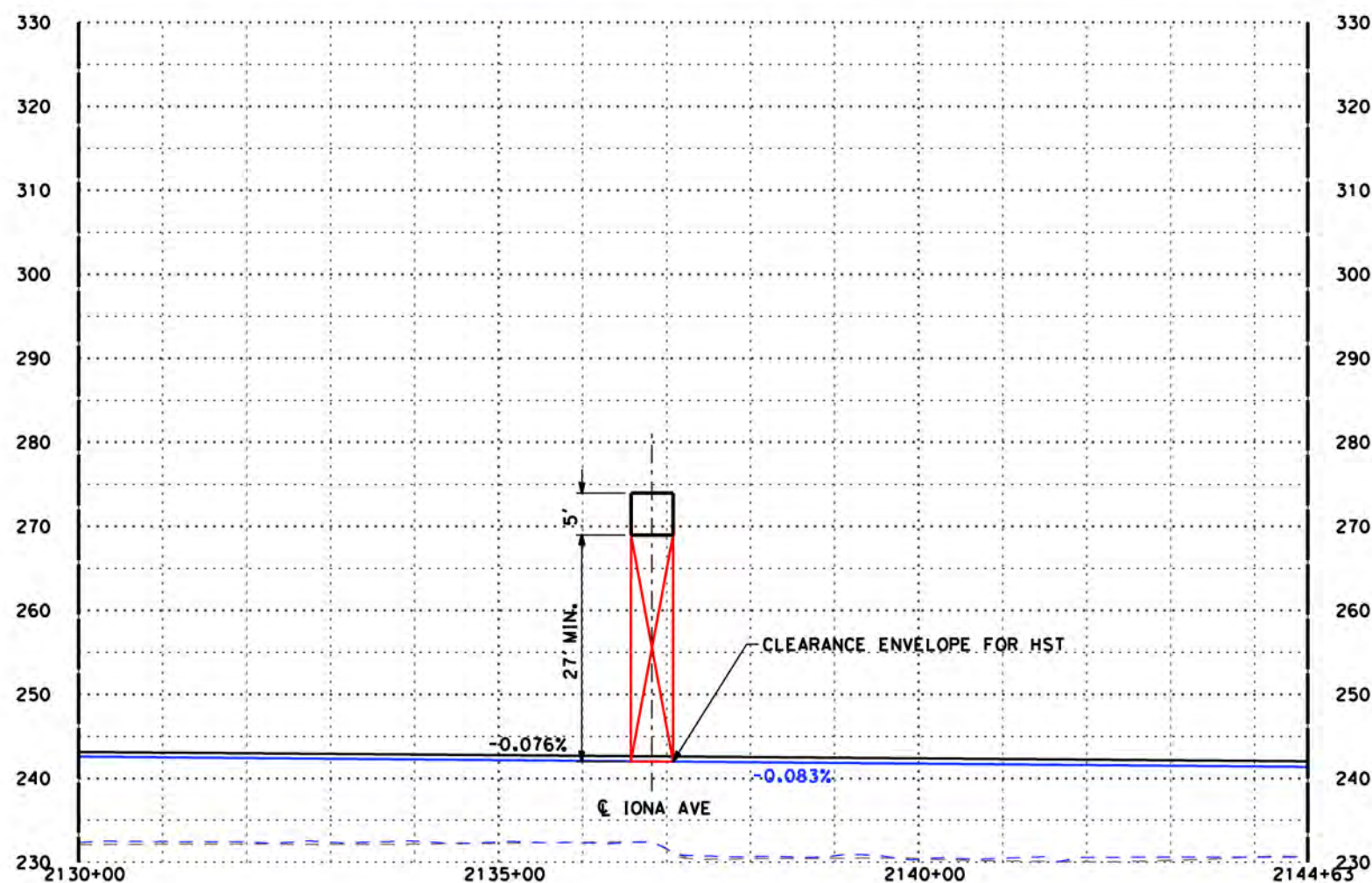
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT H

PLAN AND PROFILE
H 2100+00.00 TO H 2130+00.00

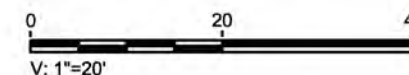
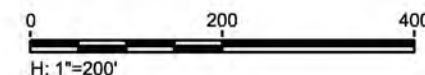
CONTRACT NO.
HSR 06-0003
DRAWING NO.
D1052
SCALE
AS SHOWN
SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



"H" LINE



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DESIGNED BY
 B. Kidd
 DRAWN BY
 Z. Rookhuyzen
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 10/15/14

RECORD SET 15%
 DESIGN SUBMISSION
 NOT FOR
 CONSTRUCTION



CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

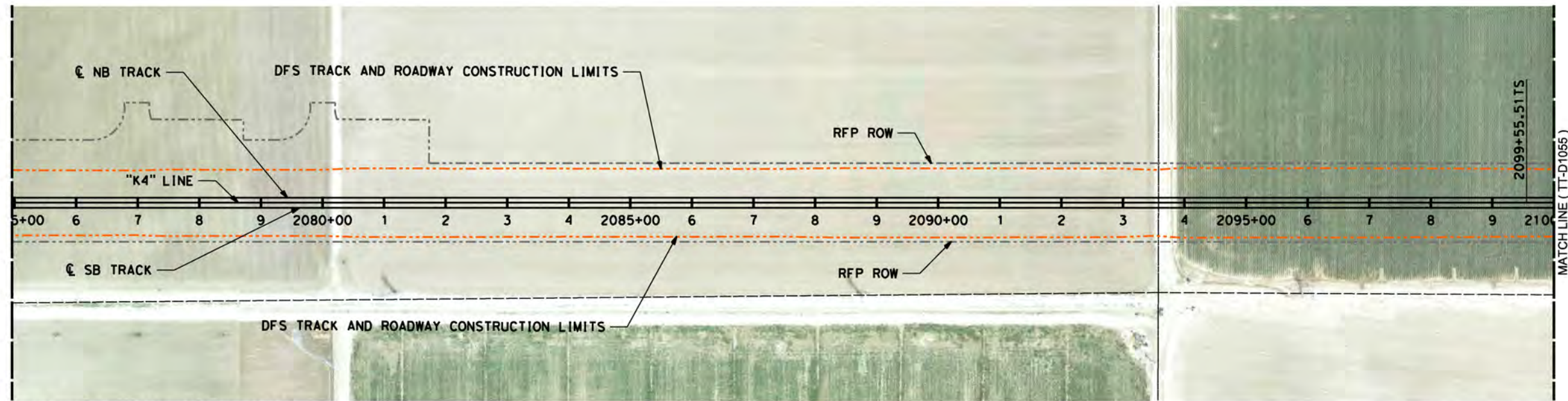
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT H

PLAN AND PROFILE
 H 2130+00.00 TO H 2144+63.00

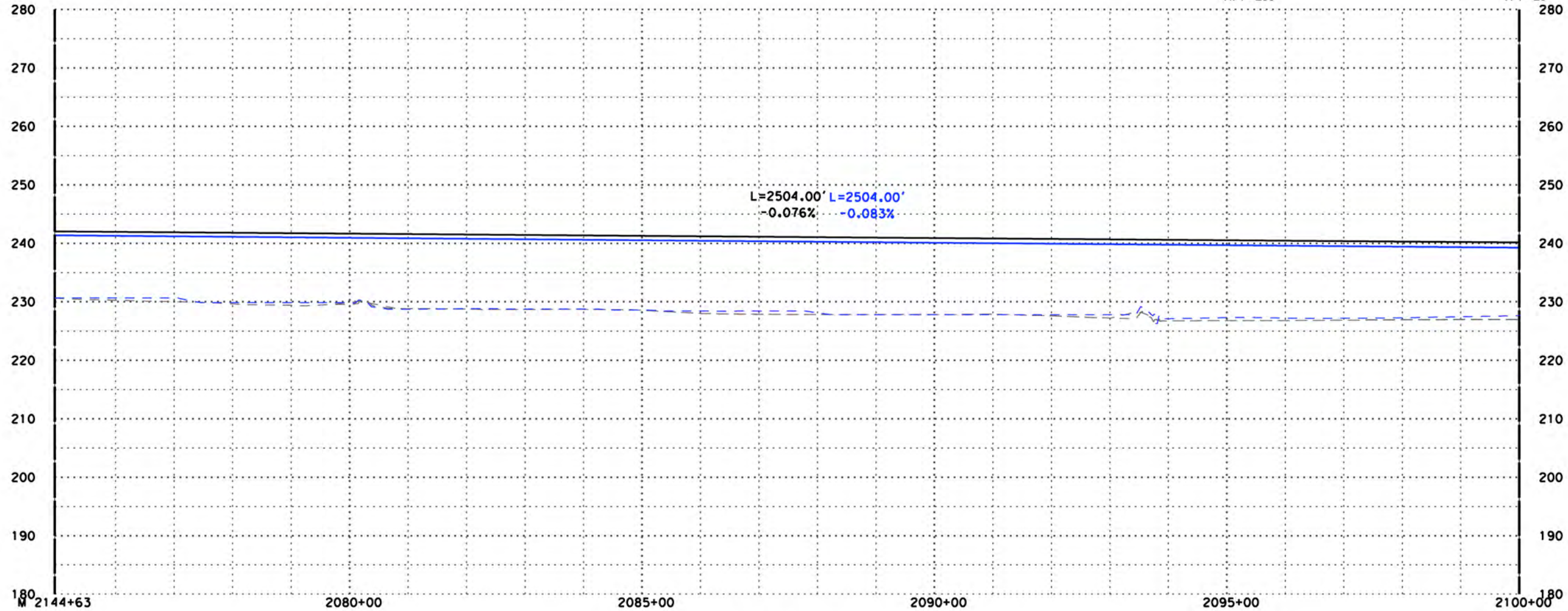
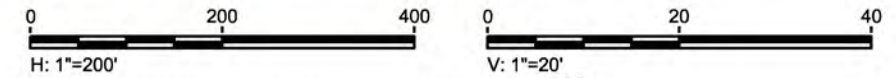
CONTRACT NO.
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 DRAWING NO.
 D1053
 SCALE
 AS SHOWN
 SHEET NO.

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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



"K4" LINE

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B. Kidd
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Z. Rookhuyzen
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E. Karam
IN CHARGE
R. Trevett
DATE
10/15/14

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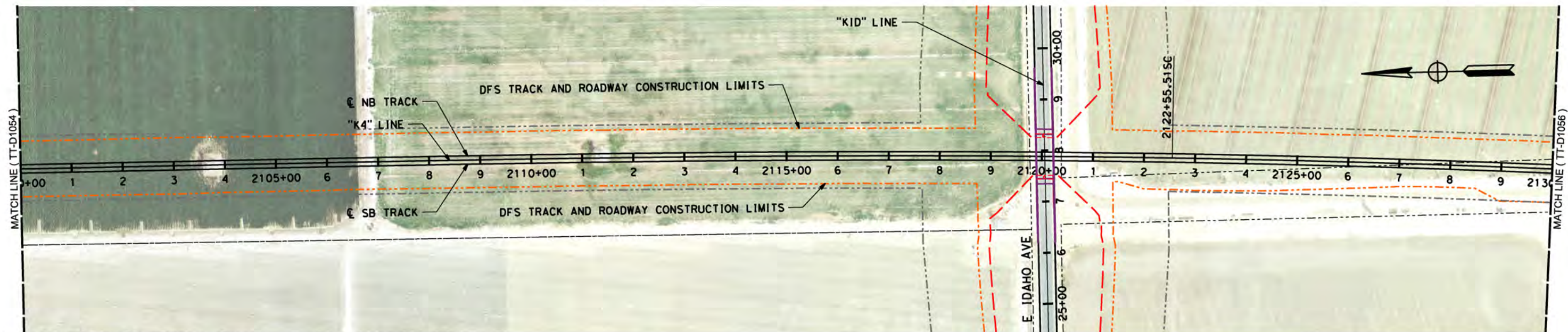


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

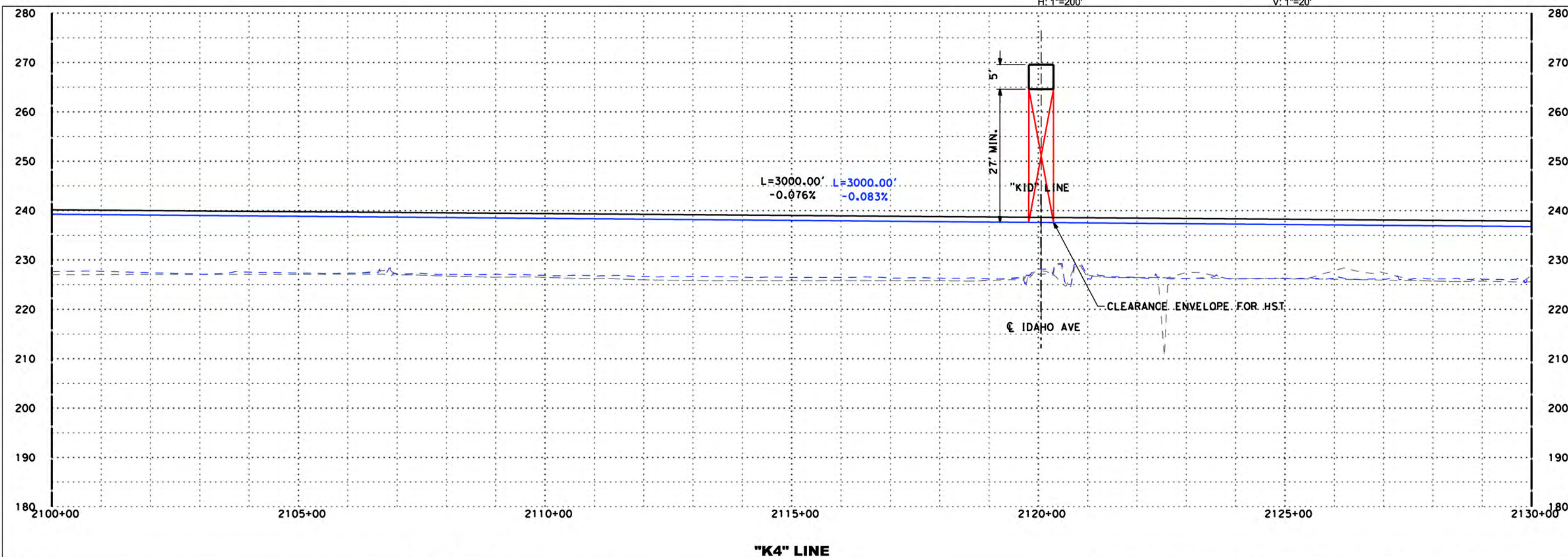
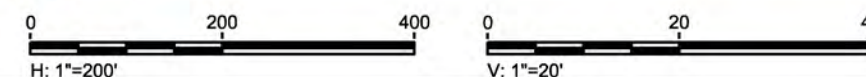
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT K4

PLAN AND PROFILE
K 2144+63.00 TO K 2100+00.00

CONTRACT NO.
HSR 06-0003
DRAWING NO.
D1054
SCALE
AS SHOWN
SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



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DESIGNED BY
B. Kidd
 DRAWN BY
Z. Rookhuyzen
 CHECKED BY
E. Karam
 IN CHARGE
R. Trevett
 DATE
08/28/14

RECORD SET 15%
 DESIGN SUBMISSION
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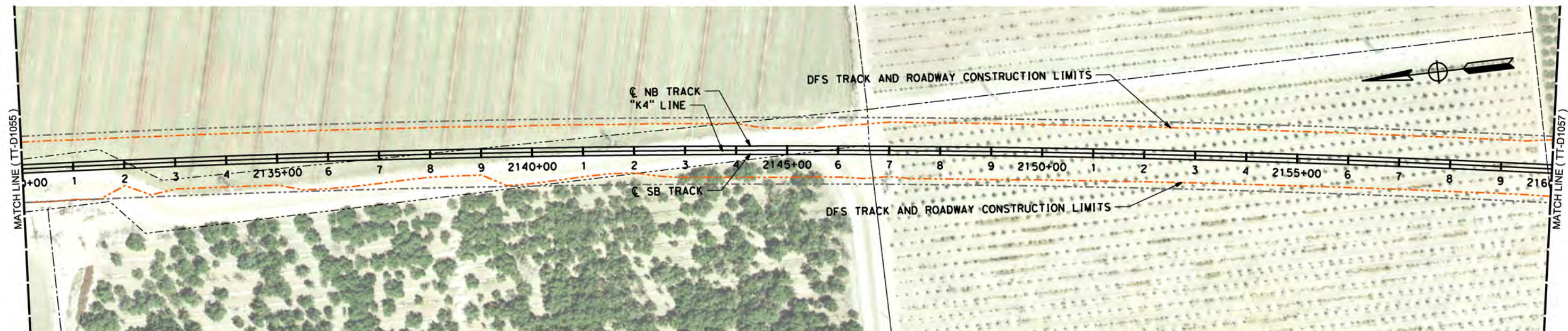


CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

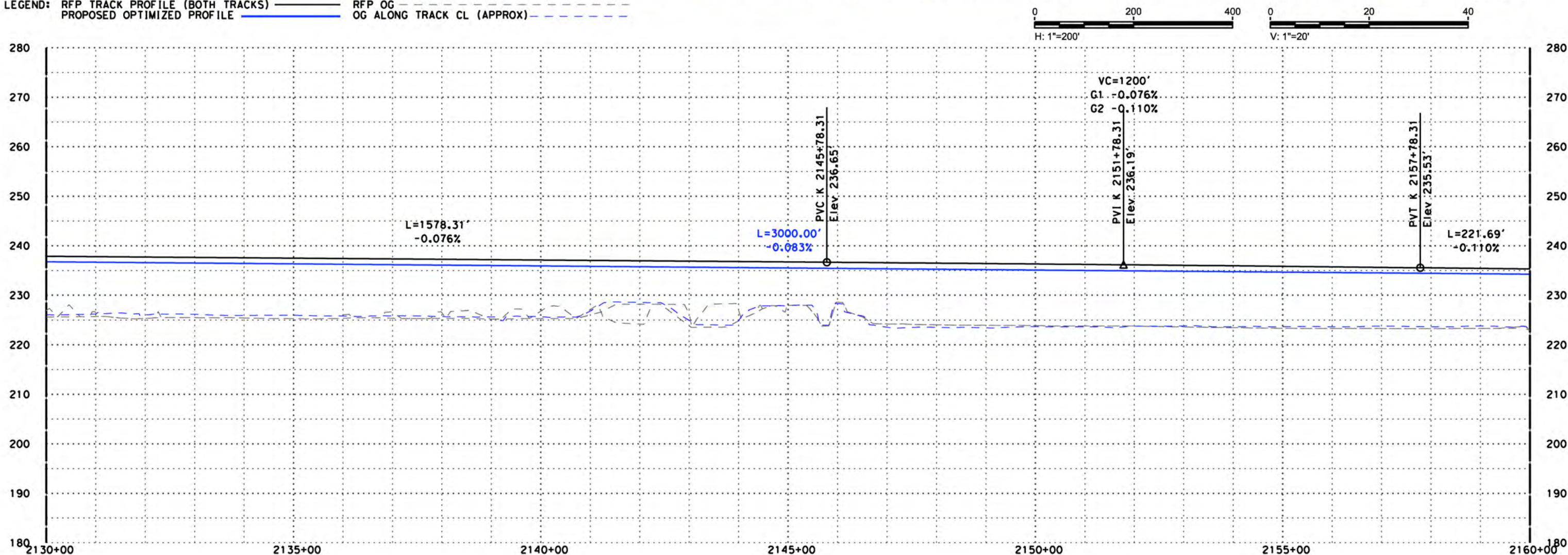
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT K4

PLAN AND PROFILE
 K 2100+00.00 TO K 2130+00.00

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
D1055
 SCALE
AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



"K4" LINE

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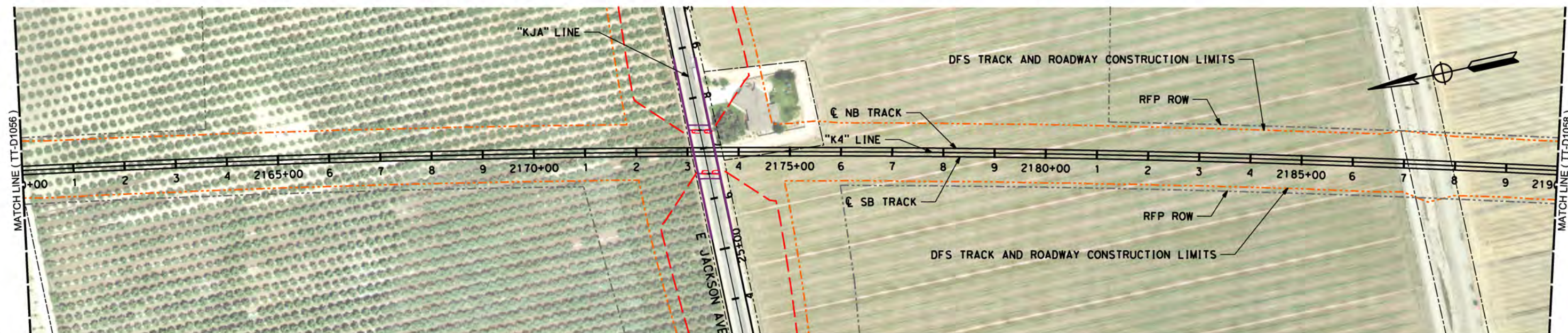


CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

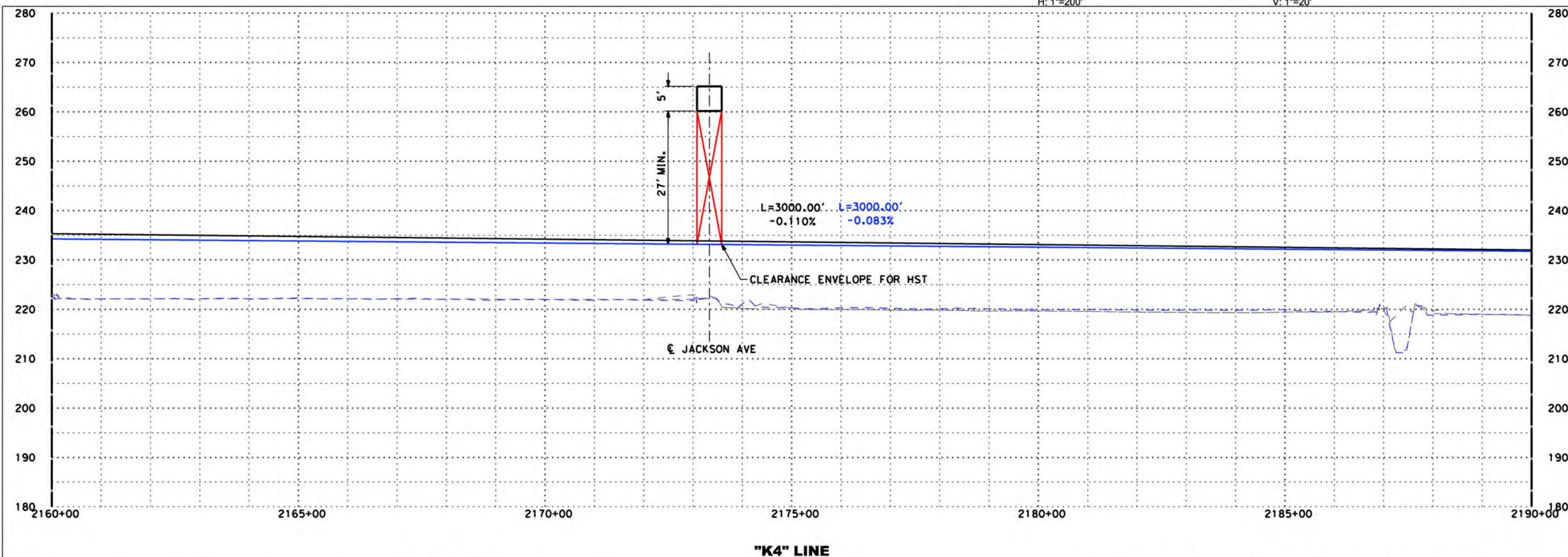
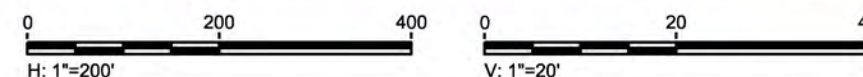
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT K4

PLAN AND PROFILE
 K 2130+00.00 TO K 2160+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1056
 SCALE
 AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



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B. Kidd
 DRAWN BY
Z. Rookhuyzen
 CHECKED BY
E. Karam
 IN CHARGE
R. Trevett
 DATE
10/15/14

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 DESIGN SUBMISSION
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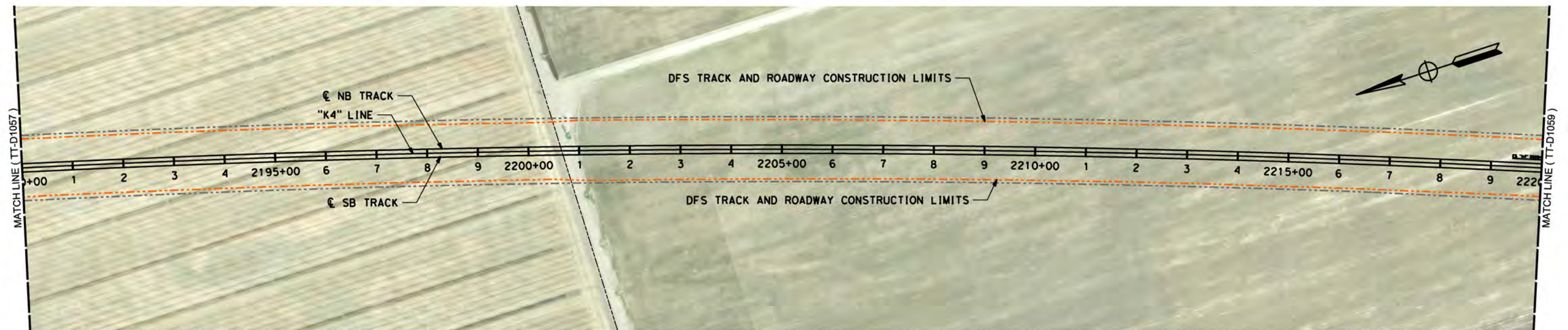


CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

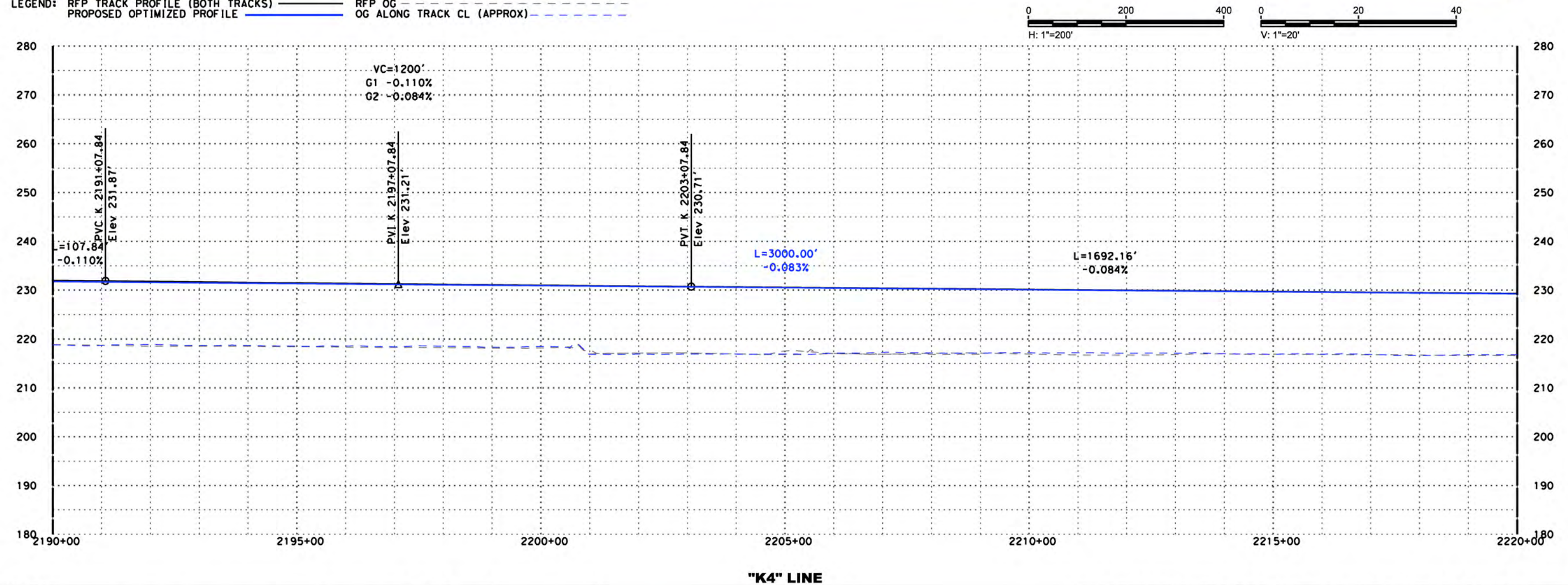
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT K4**

PLAN AND PROFILE
 K 2160+00.00 TO K 2190+00.00

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
D1057
 SCALE
AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



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 B. Kidd
 DRAWN BY
 Z. Rookhuyzen
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 E. Karam
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 R. Trevett
 DATE
 08/28/14

RECORD SET 15%
 DESIGN SUBMISSION
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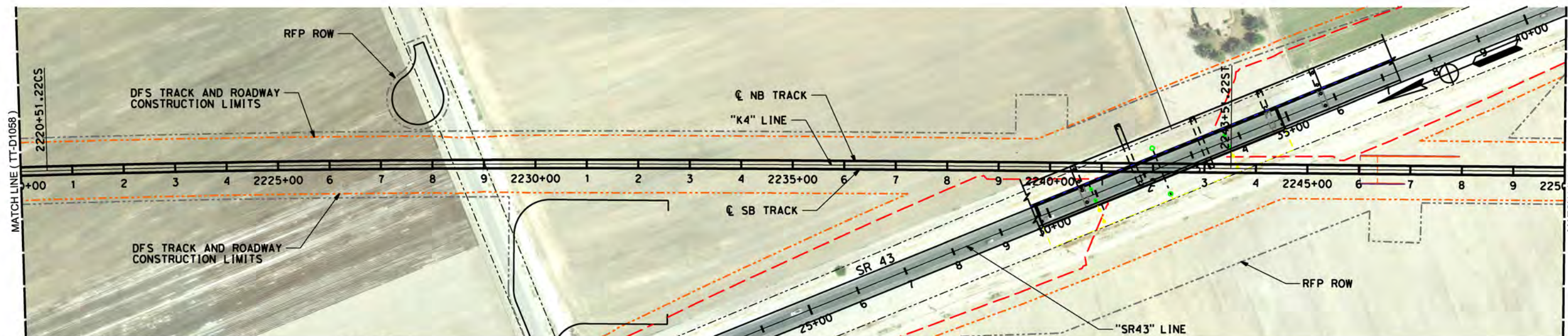


CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

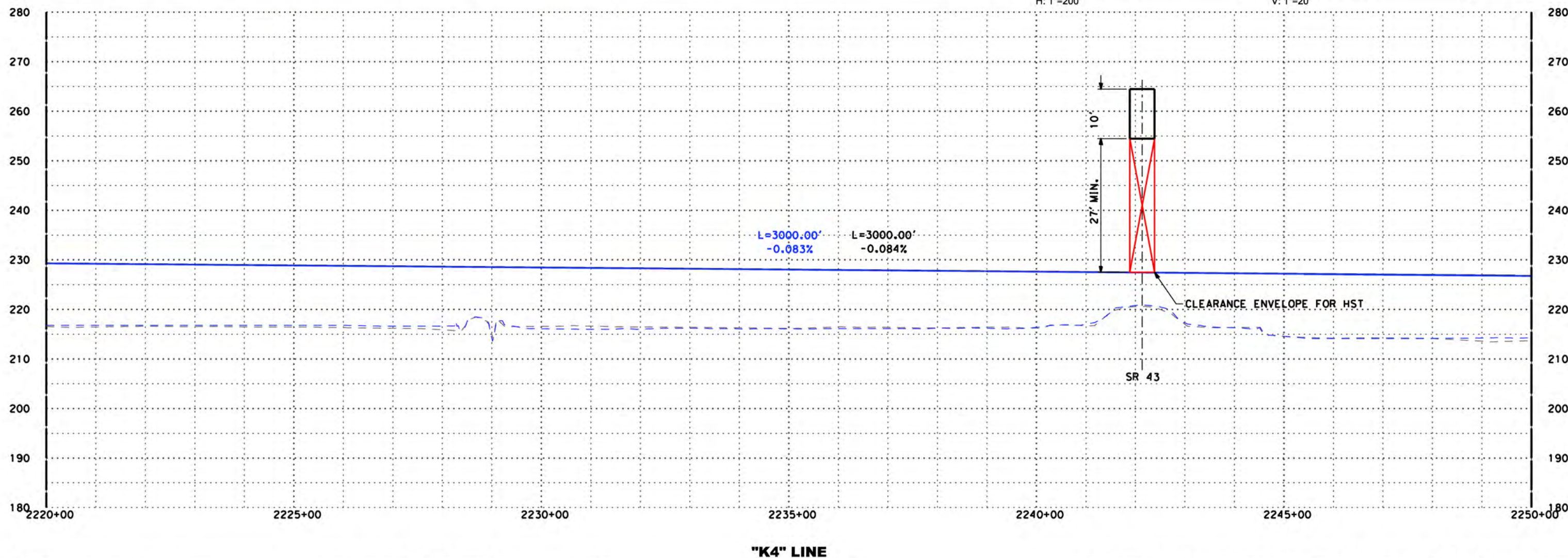
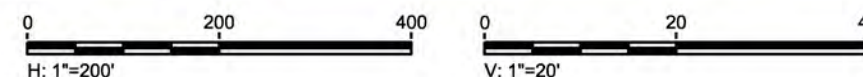
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT K4

PLAN AND PROFILE
 K 2190+00.00 TO K 2220+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1058
 SCALE
 AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



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DESIGNED BY
 B. Kidd
 DRAWN BY
 Z. Rookhuyzen
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 08/28/14

RECORD SET 15%
 DESIGN SUBMISSION
 NOT FOR
 CONSTRUCTION



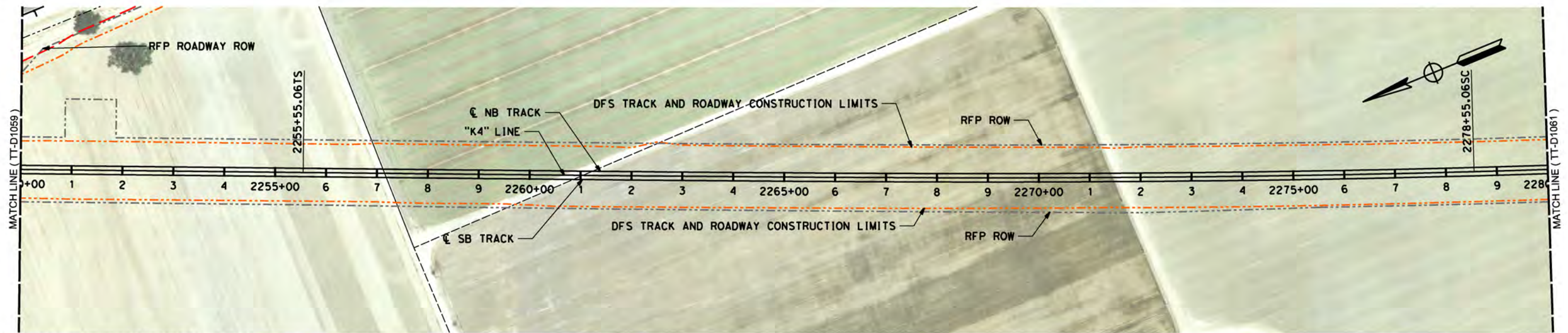
CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT K4

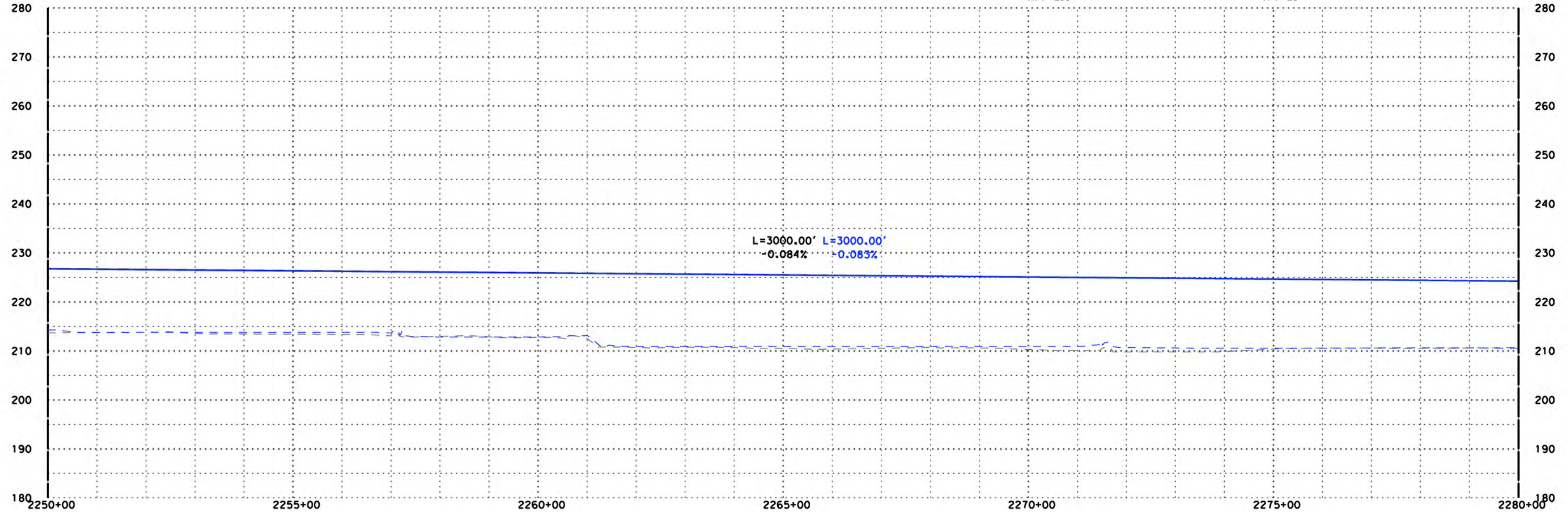
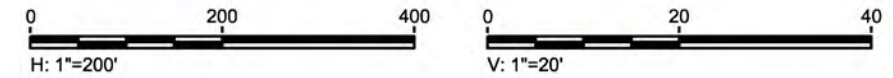
PLAN AND PROFILE
 K 2220+00.00 TO K 2250+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1059
 SCALE
 AS SHOWN
 SHEET NO.

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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



"K4" LINE

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DESIGNED BY
 B. Kidd
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 Z. Rookhuyzen
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 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 08/28/14

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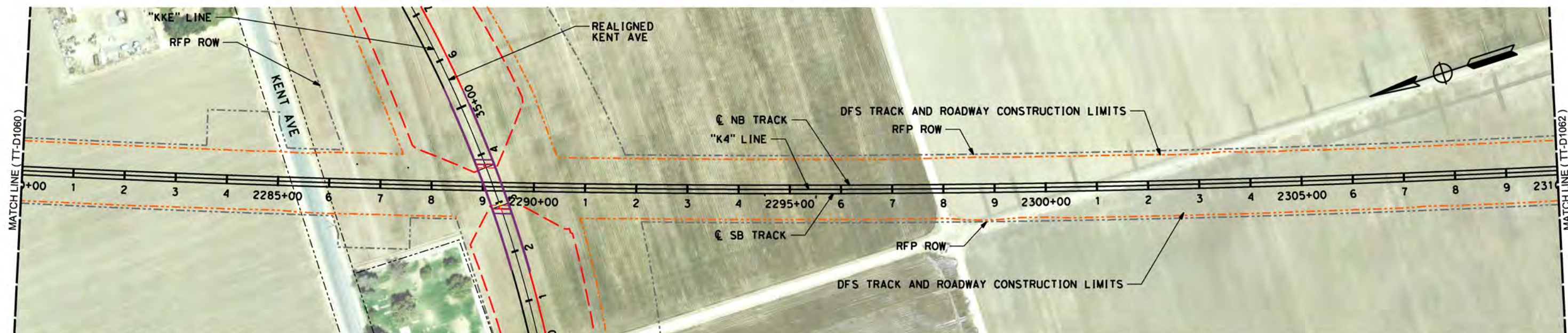
CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT K4

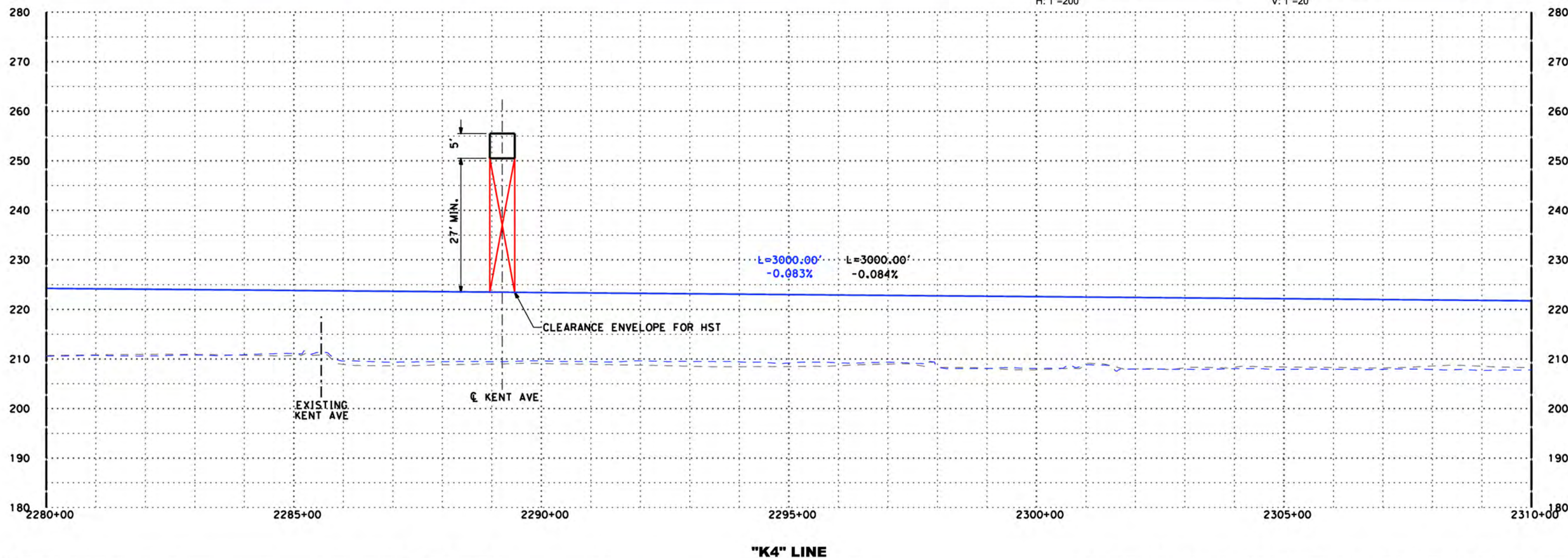
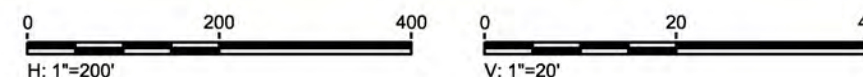
PLAN AND PROFILE
 K 2250+00.00 TO K 2280+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1060
 SCALE
 AS SHOWN
 SHEET NO.

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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



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 B. Kidd
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 R. Trevett
 DATE
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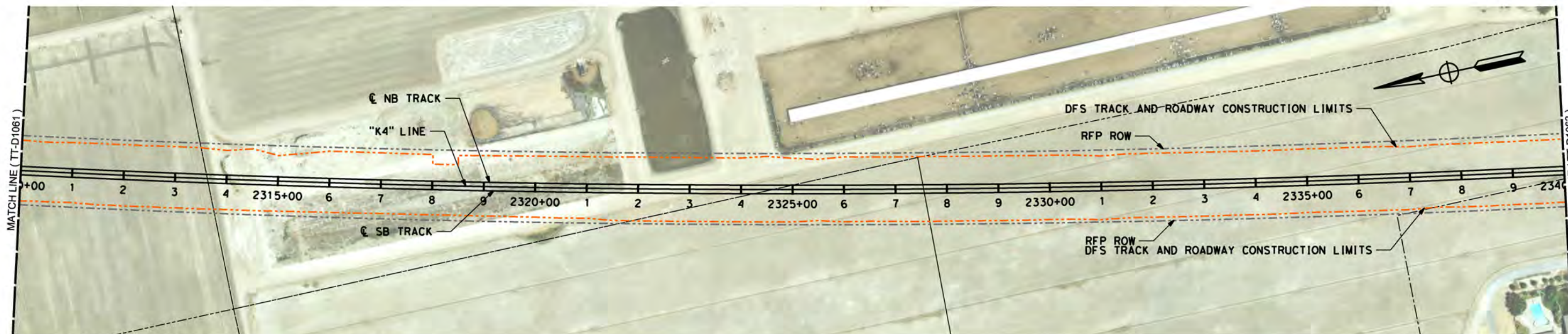


CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

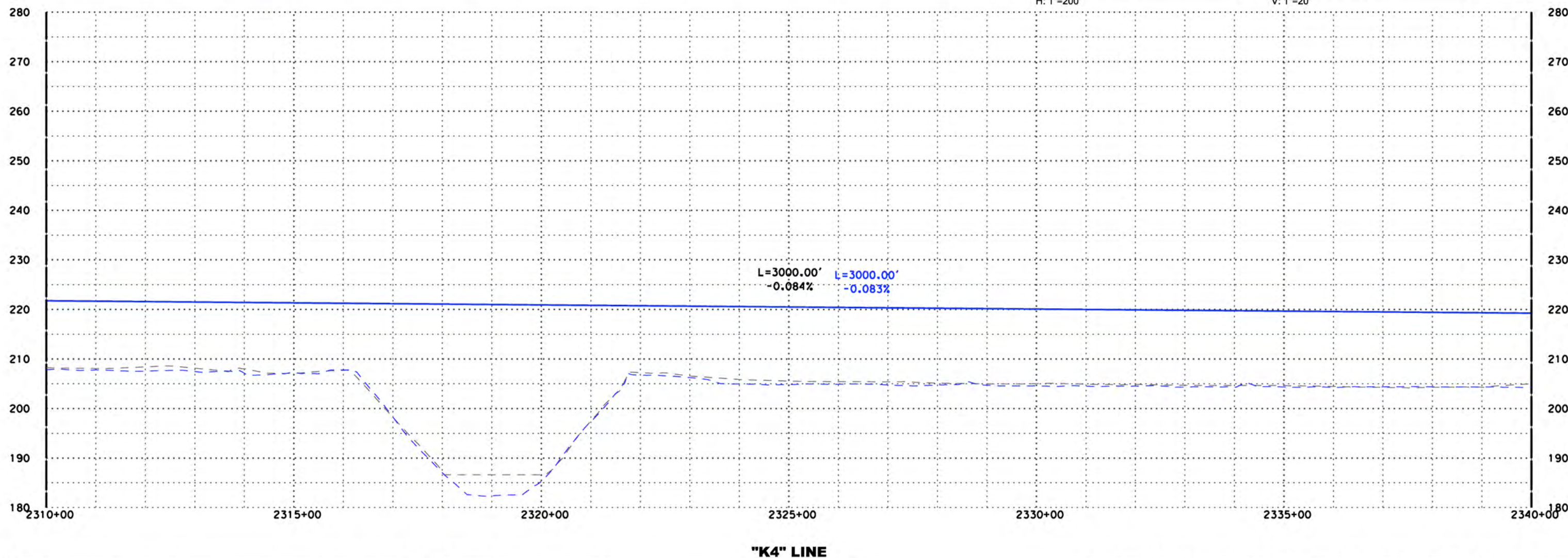
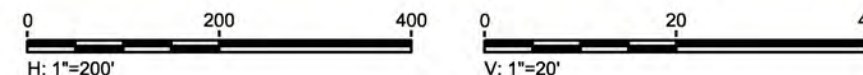
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT K4

PLAN AND PROFILE
 K 2280+00.00 TO K 2310+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1061
 SCALE
 AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



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 B. Kidd
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 Z. Rookhuyzen
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 IN CHARGE
 R. Trevett
 DATE
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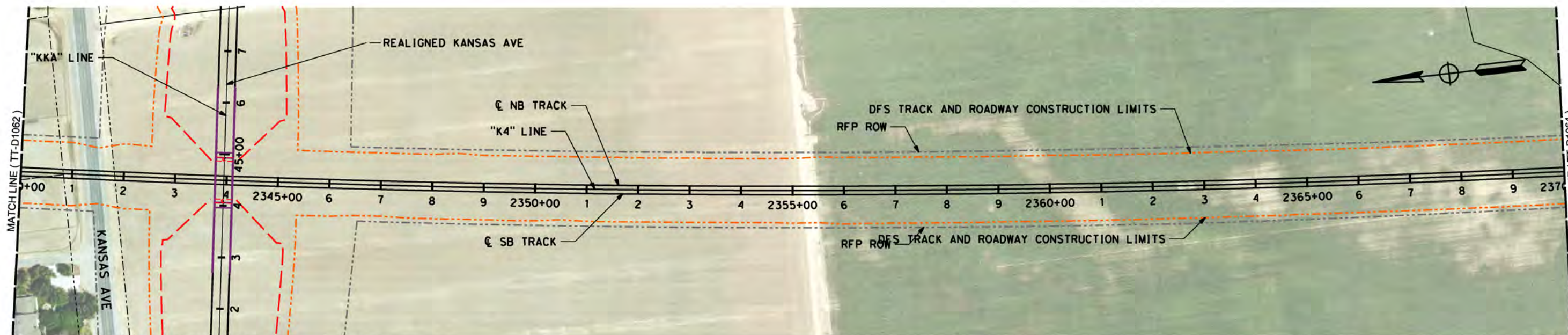


CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

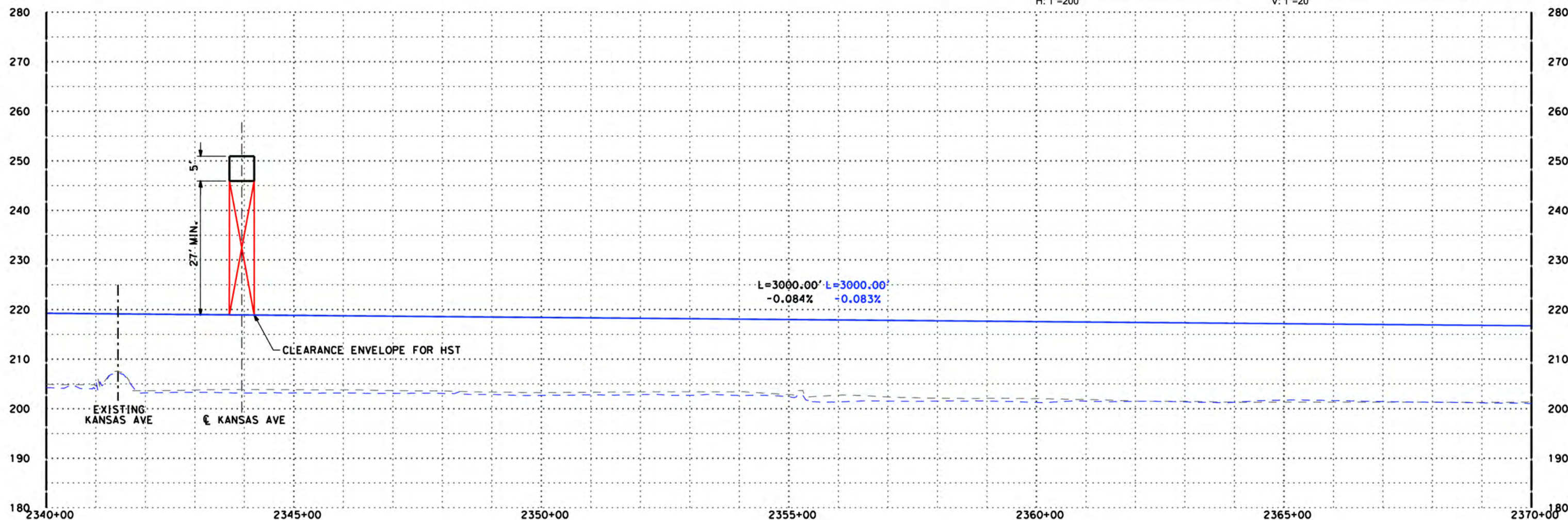
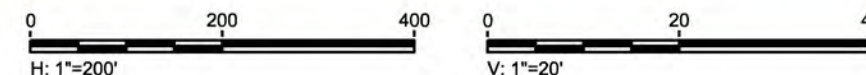
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT K4

PLAN AND PROFILE
 K 2310+00.00 TO K 2340+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1062
 SCALE
 AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



"K4" LINE

DISCLAIMER:
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 NOT FOR
 CONSTRUCTION

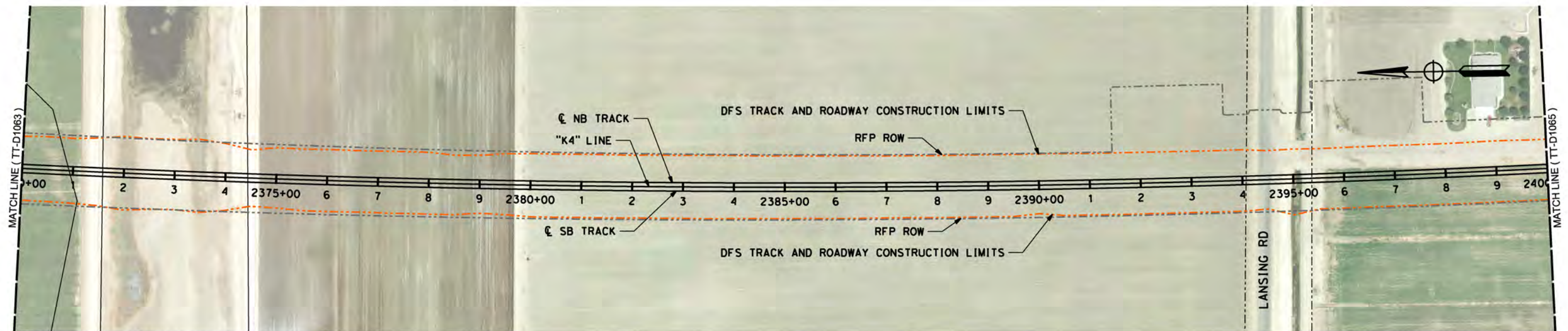


CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

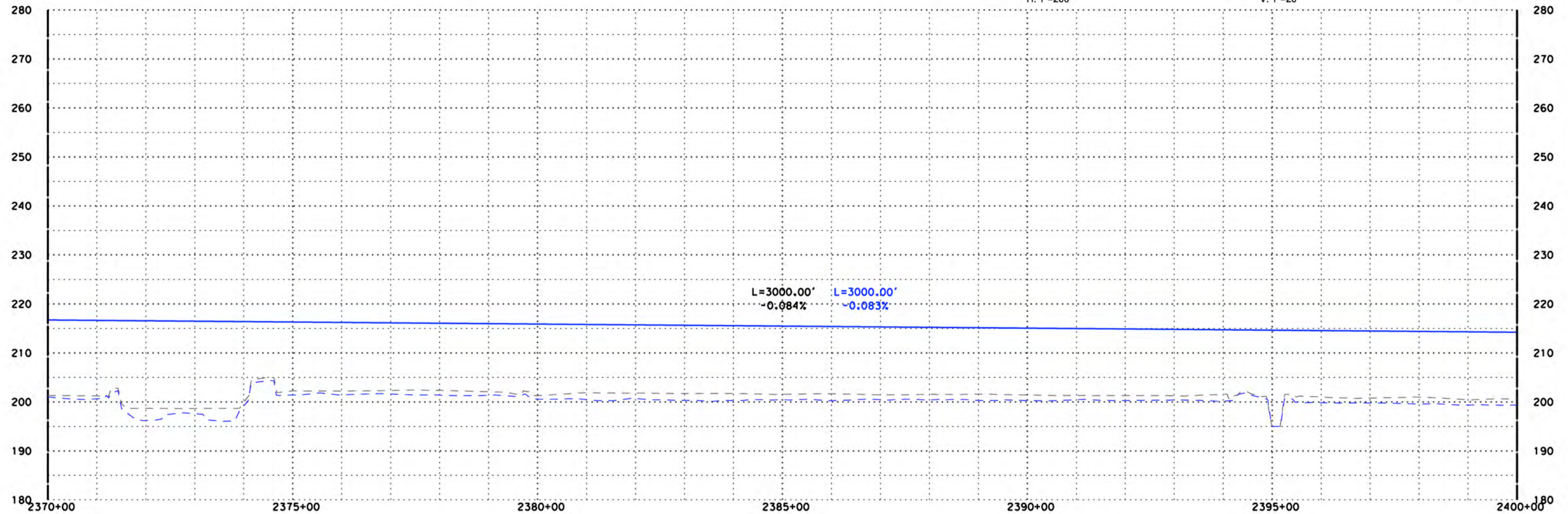
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT K4

PLAN AND PROFILE
 K 2340+00.00 TO K 2370+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1063
 SCALE
 AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



"K4" LINE

DISCLAIMER:
 THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.

DESIGNED BY
 B. Kidd
 DRAWN BY
 Z. Rookhuyzen
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 10/15/14

RECORD SET 15%
 DESIGN SUBMISSION
 NOT FOR
 CONSTRUCTION



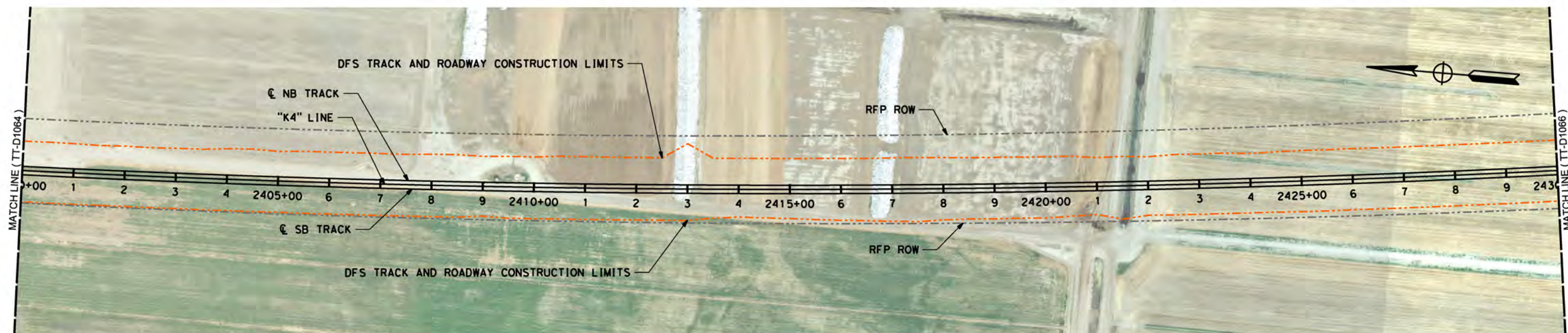
CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT K4

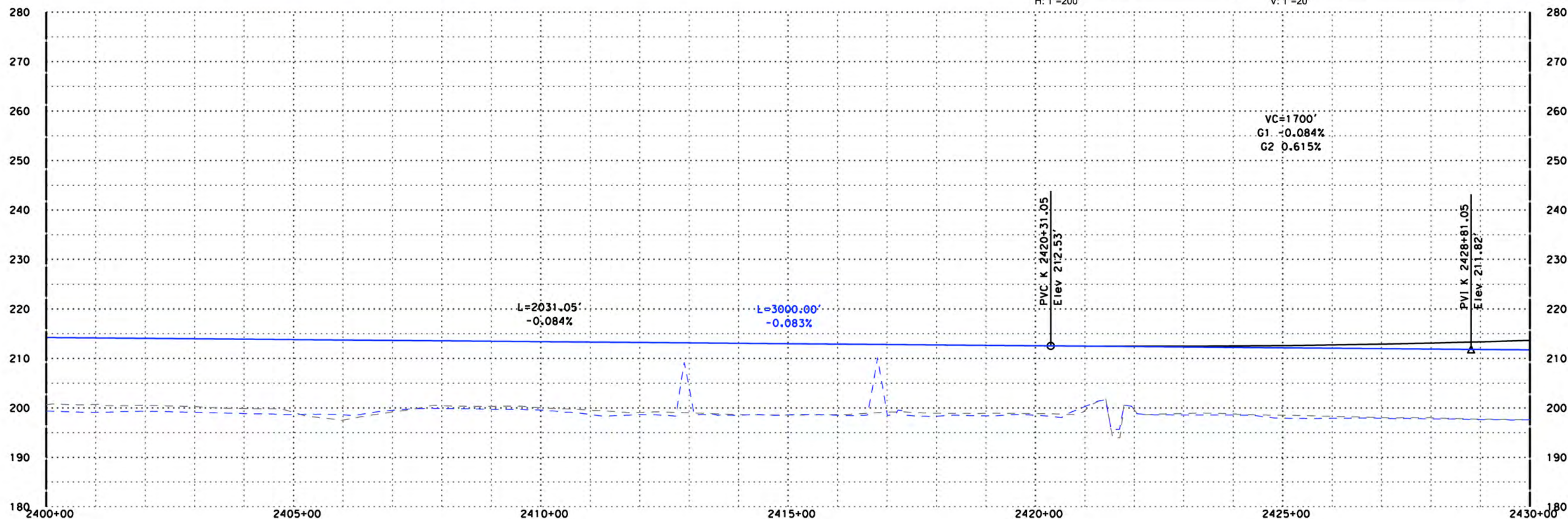
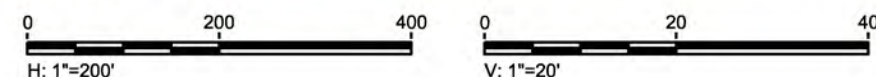
PLAN AND PROFILE
 K 2370+00.00 TO K 2400+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1064
 SCALE
 AS SHOWN
 SHEET NO.

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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



"K4" LINE

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DESIGNED BY
 B. Kidd
 DRAWN BY
 Z. Rookhuyzen
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 10/15/14

RECORD SET 15%
 DESIGN SUBMISSION
 NOT FOR
 CONSTRUCTION

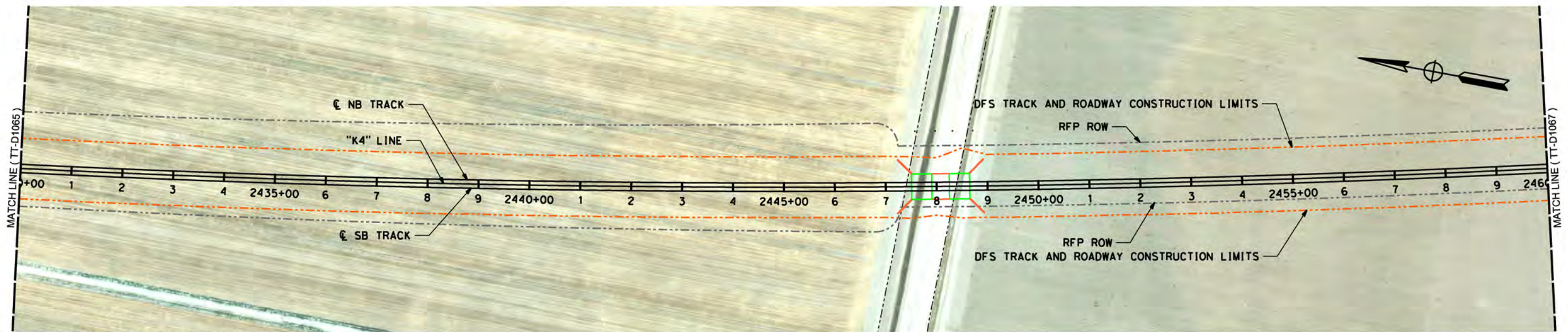


CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

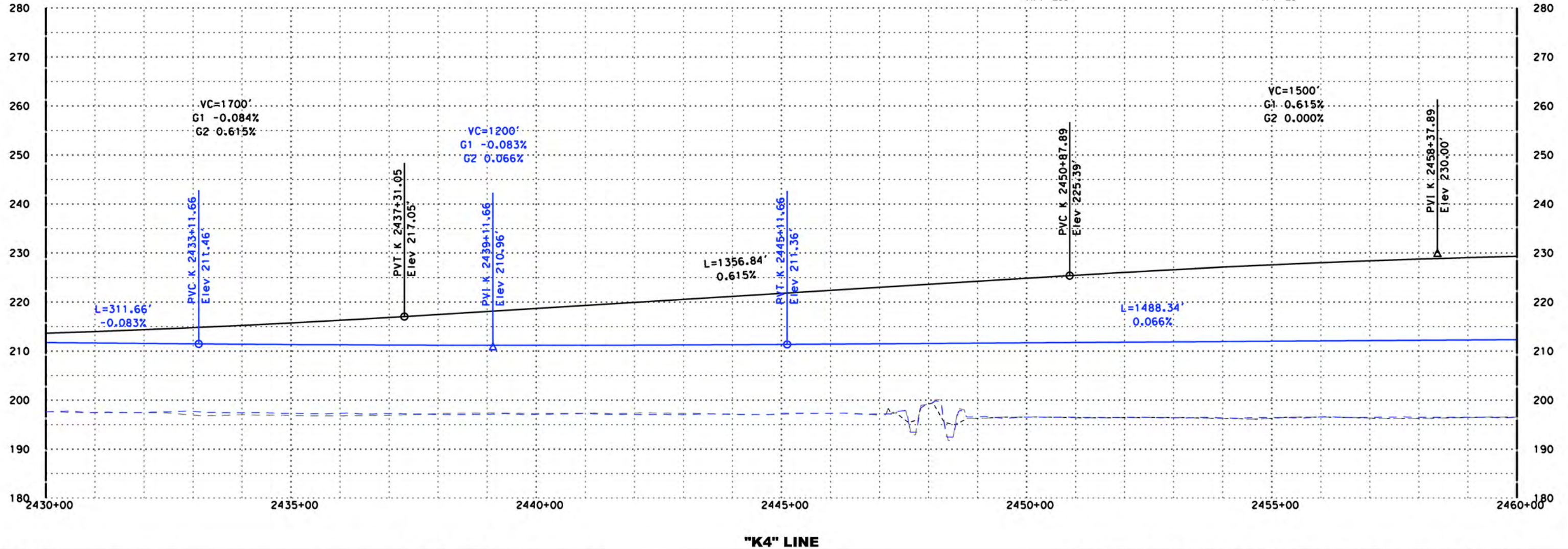
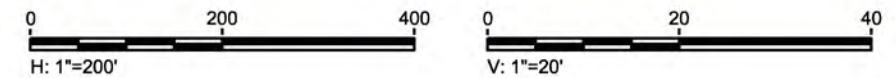
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT K4

PLAN AND PROFILE
 K 2400+00.00 TO K 2430+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1065
 SCALE
 AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



DISCLAIMER:
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DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
10/15/14

RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION

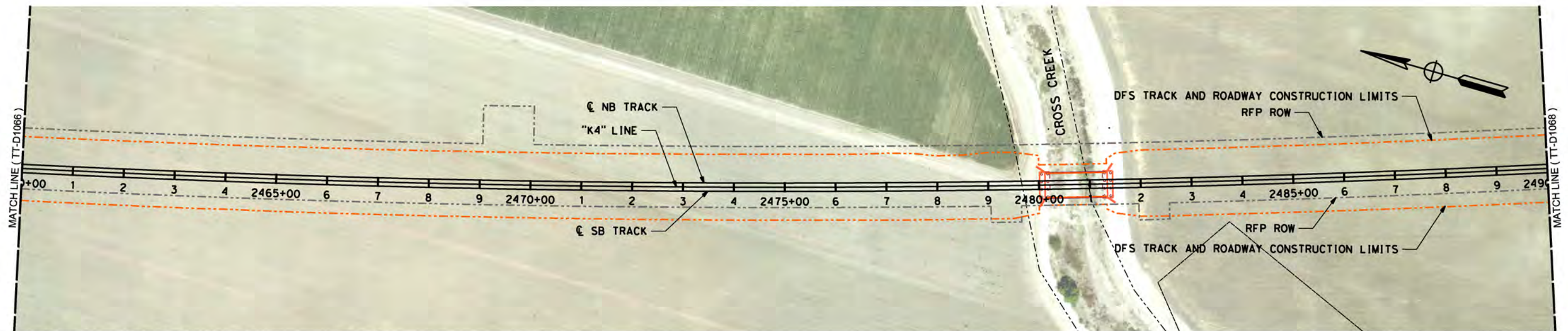


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

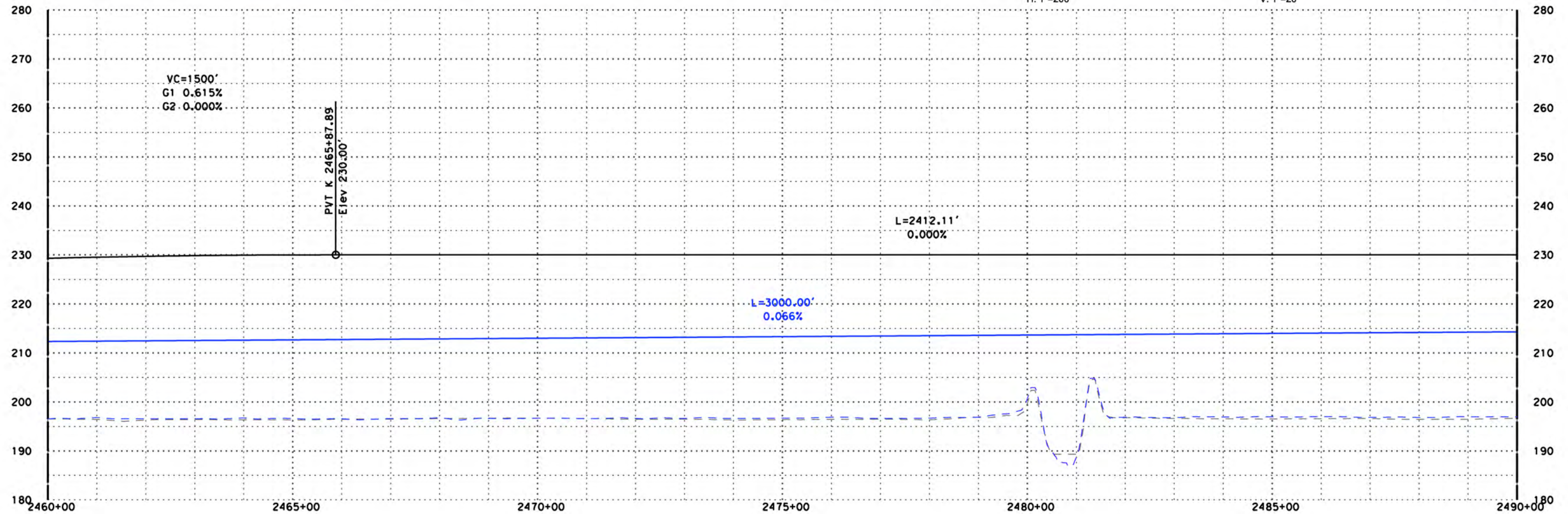
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT K4

PLAN AND PROFILE
K 2430+00.00 TO K 2460+00.00

CONTRACT NO.
HSR 06-0003
DRAWING NO.
D1065
SCALE
AS SHOWN
SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



"K4" LINE

DISCLAIMER:
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DESIGNED BY
 B. Kidd
 DRAWN BY
 Z. Rookhuyzen
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 10/15/14

RECORD SET 15%
 DESIGN SUBMISSION
 NOT FOR
 CONSTRUCTION



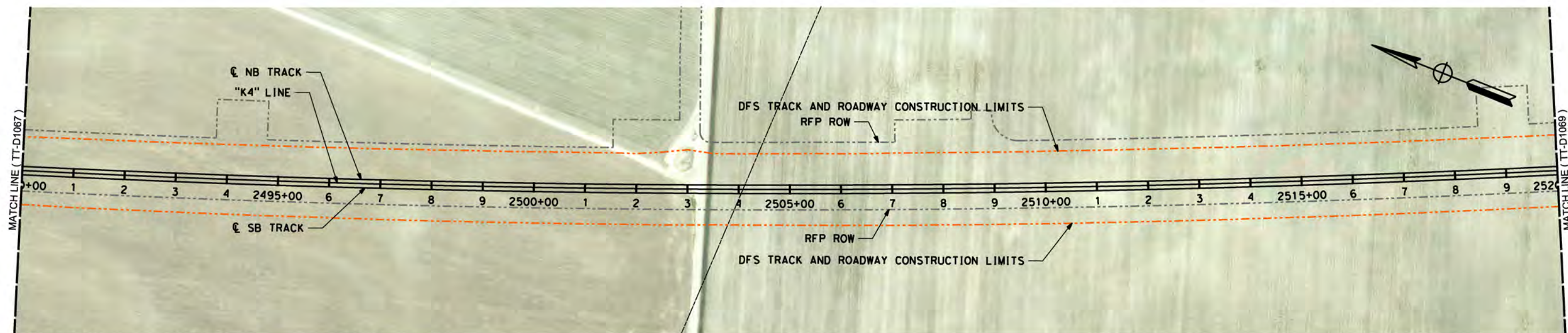
CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT K4

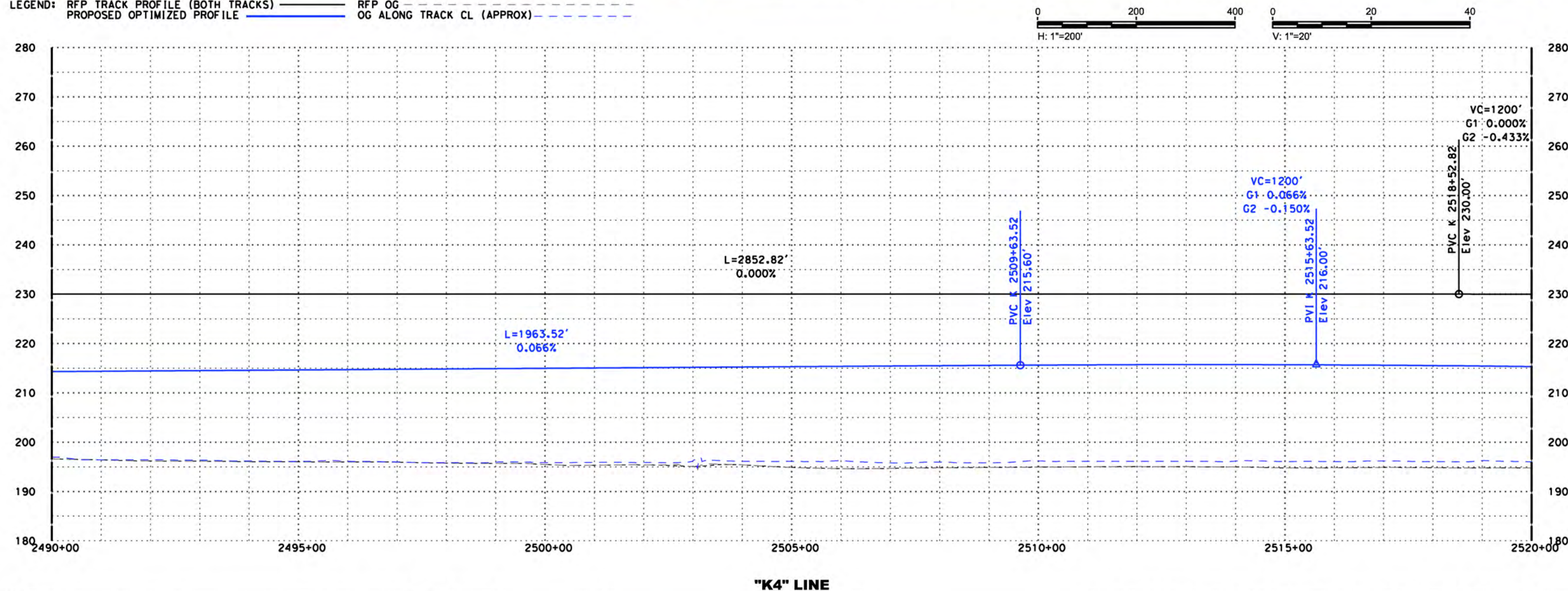
PLAN AND PROFILE
 K 2460+00.00 TO K 2490+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1067
 SCALE
 AS SHOWN
 SHEET NO.

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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



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DESIGNED BY
 B. Kidd
 DRAWN BY
 Z. Rookhuyzen
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 10/15/14

RECORD SET 15%
 DESIGN SUBMISSION
 NOT FOR
 CONSTRUCTION



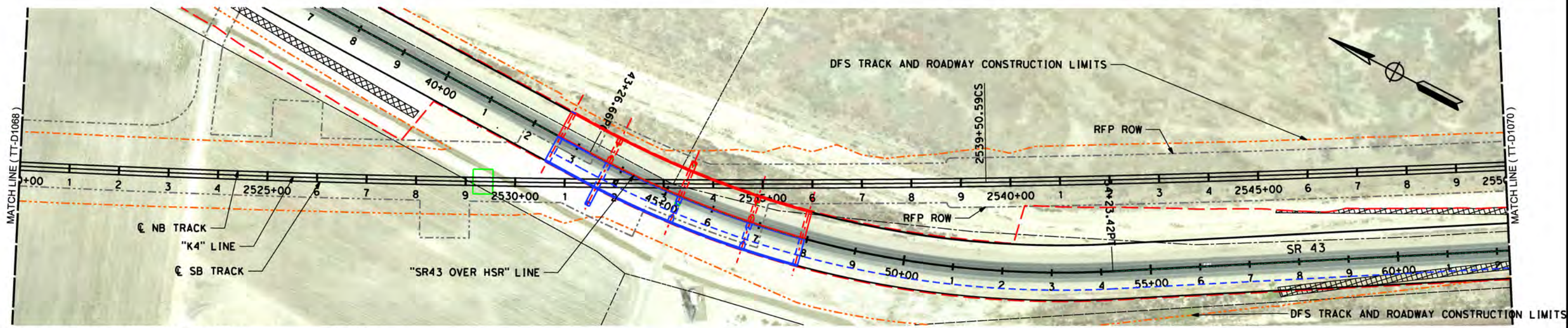
CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT K4

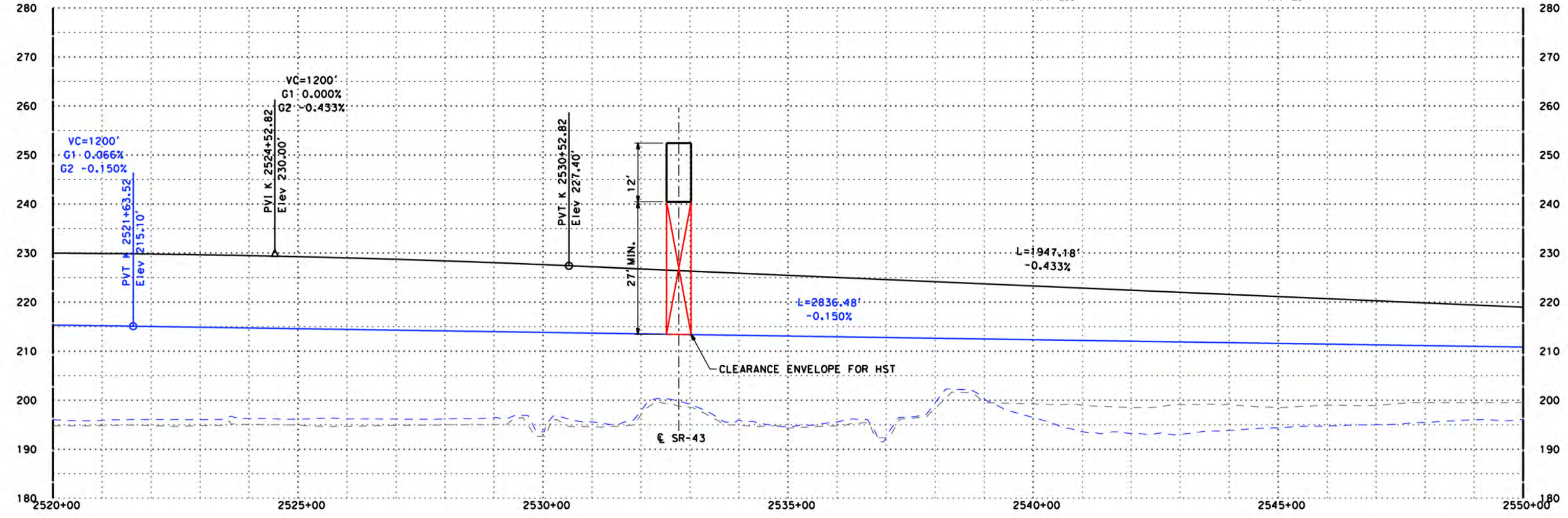
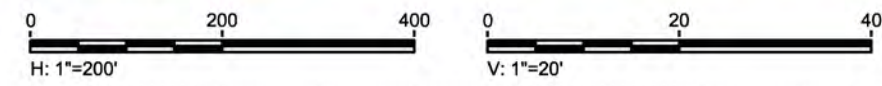
PLAN AND PROFILE
 K 2490+00.00 TO K 2520+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1068
 SCALE
 AS SHOWN
 SHEET NO.

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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



"K4" LINE

DISCLAIMER:
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DESIGNED BY
 B. Kidd
 DRAWN BY
 Z. Rookhuyzen
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 08/28/14

RECORD SET 15%
 DESIGN SUBMISSION
 NOT FOR
 CONSTRUCTION



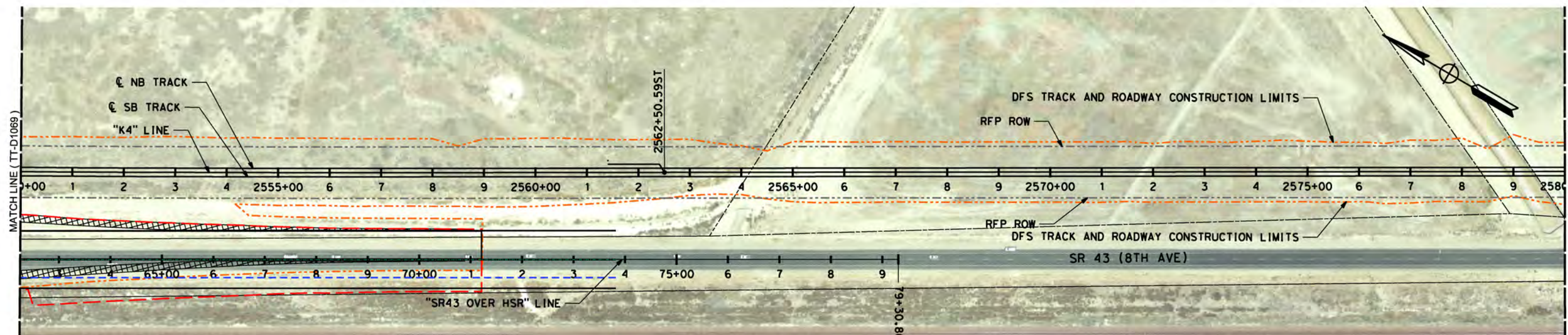
CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT K4

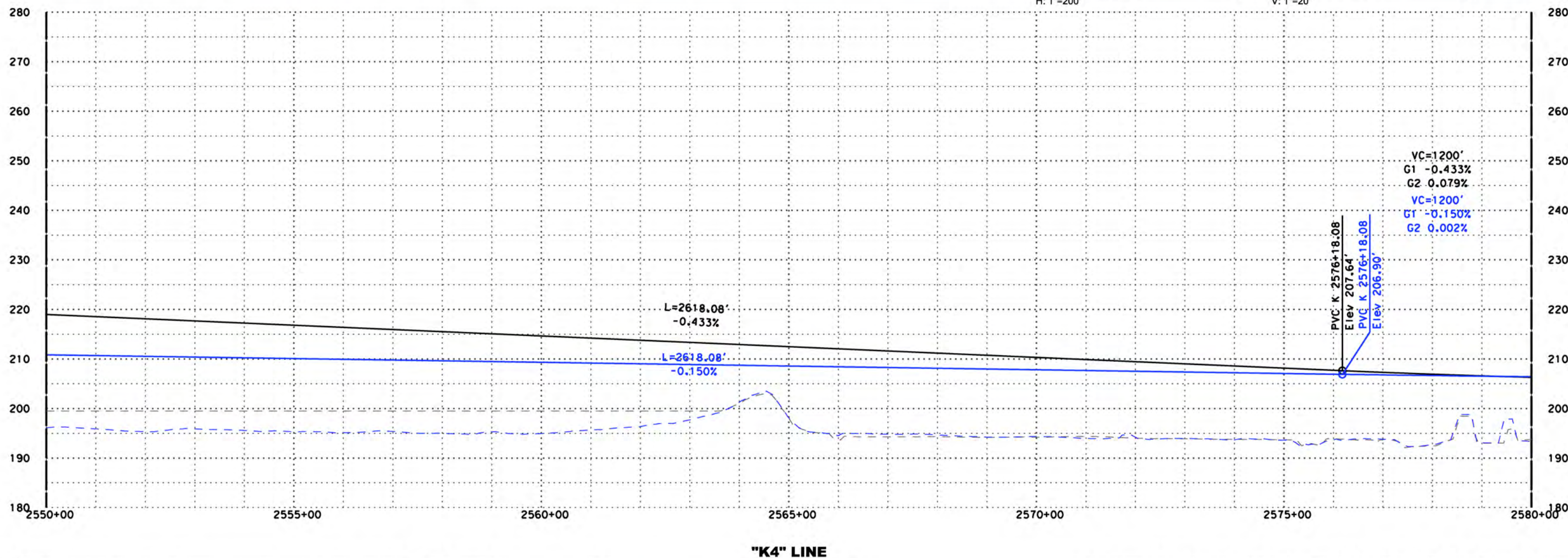
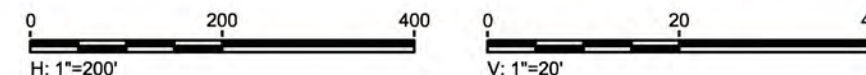
PLAN AND PROFILE
 K 2520+00.00 TO K 2550+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1069
 SCALE
 AS SHOWN
 SHEET NO.

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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



DISCLAIMER:
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DESIGNED BY
 B. Kidd
 DRAWN BY
 Z. Rookhuyzen
 CHECKED BY
 E. Koram
 IN CHARGE
 R. Trevett
 DATE
 10/15/14

RECORD SET 15%
 DESIGN SUBMISSION
 NOT FOR
 CONSTRUCTION

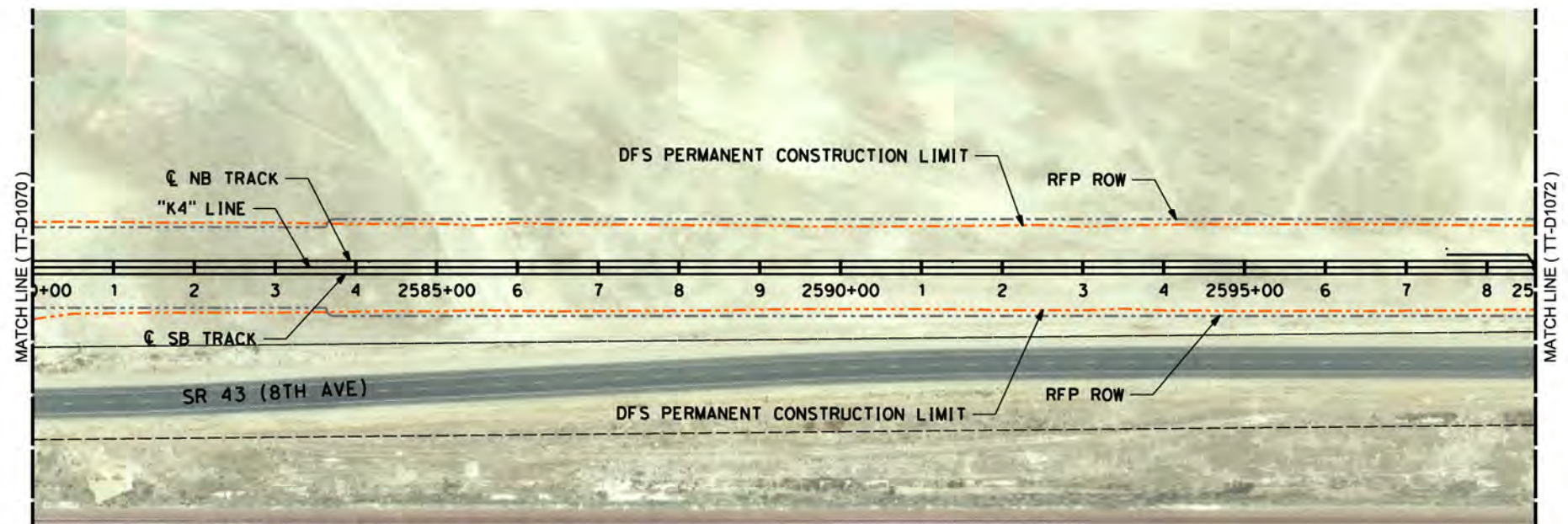


CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

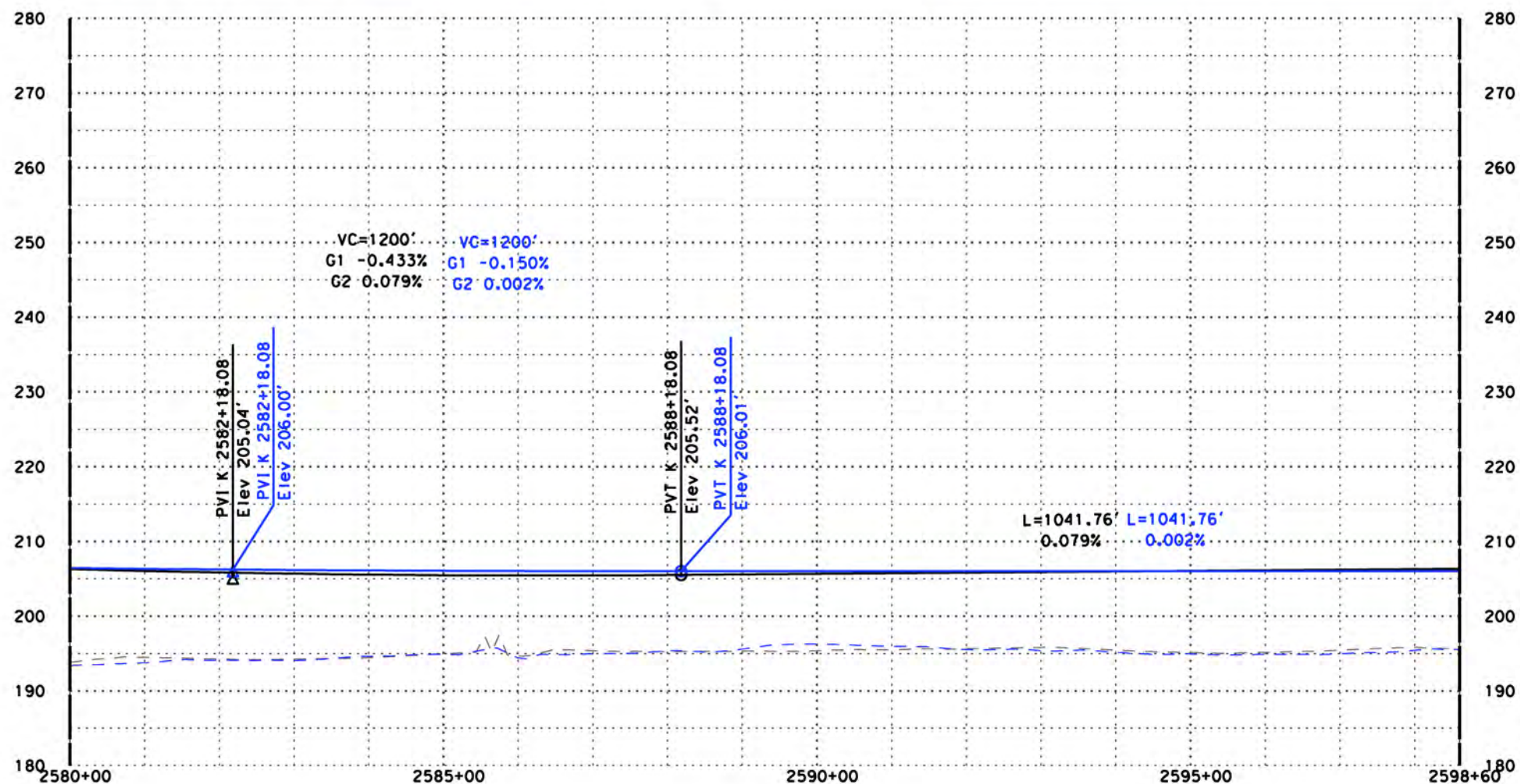
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT K4

PLAN AND PROFILE
 K 2550+00.00 TO K 2580+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1070
 SCALE
 AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



"K4" LINE

DISCLAIMER:
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DESIGNED BY
 B. Kidd
 DRAWN BY
 Z. Rookhuyzen
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 10/15/14

RECORD SET 15%
 DESIGN SUBMISSION
 NOT FOR
 CONSTRUCTION



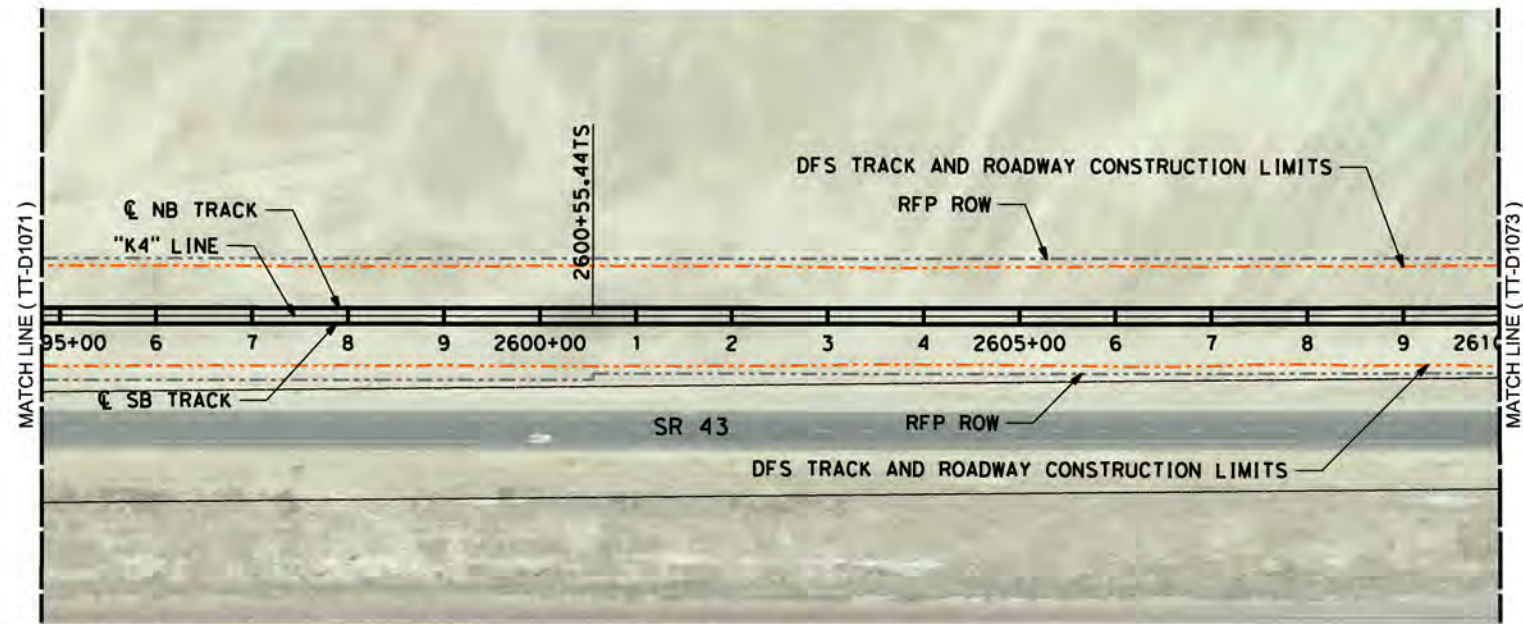
CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT K4

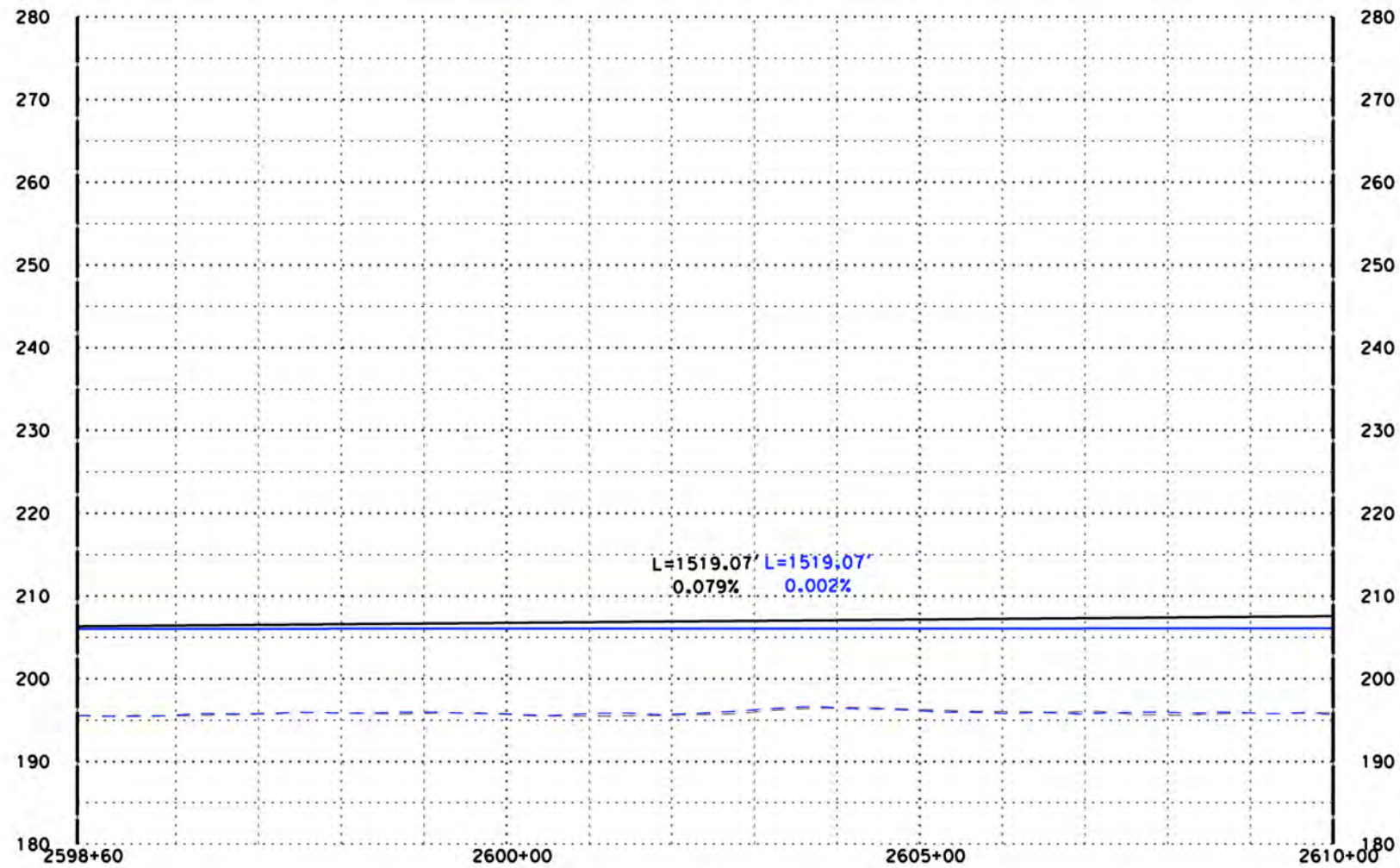
PLAN AND PROFILE
 K 2580+00.00 TO K 2598+59.84

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1071
 SCALE
 AS SHOWN
 SHEET NO.

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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



"C2" LINE

DISCLAIMER:
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DESIGNED BY
P. Borney
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
8/20/2014

RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

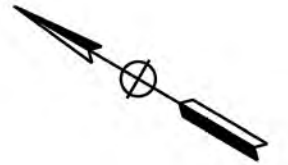
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT C2

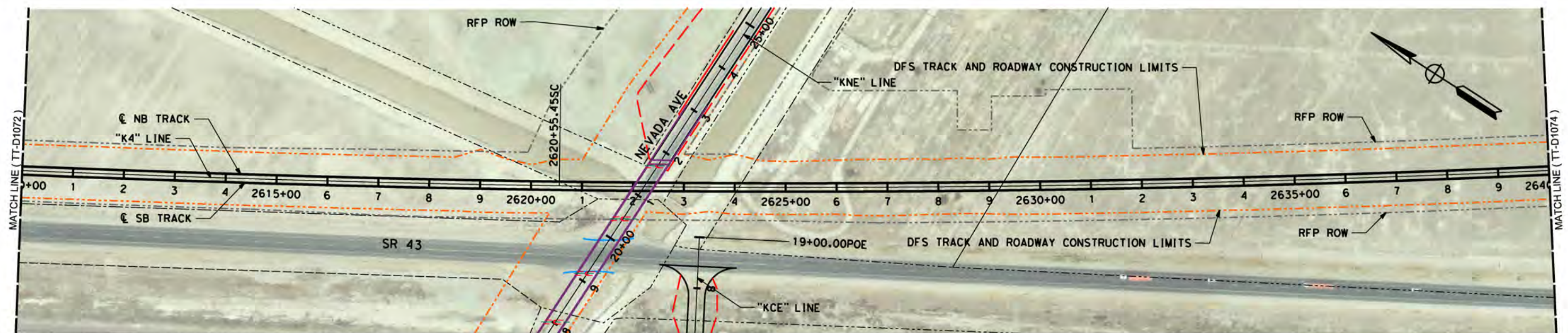
PLAN AND PROFILE
K 2598+59.84 TO C 2610+00.00

CONTRACT NO.
HSR 06-0003
DRAWING NO.
D1072
SCALE
AS SHOWN
SHEET NO.

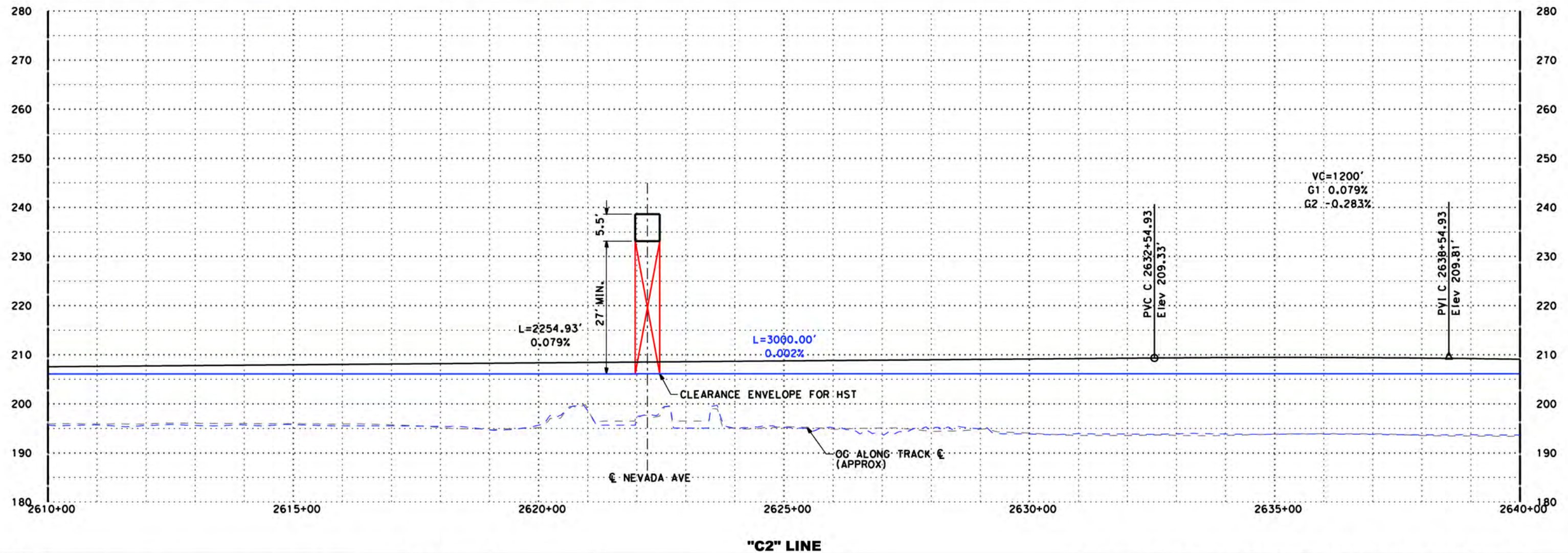
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H: 1"=200'

0 20 40
V: 1"=20'





LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



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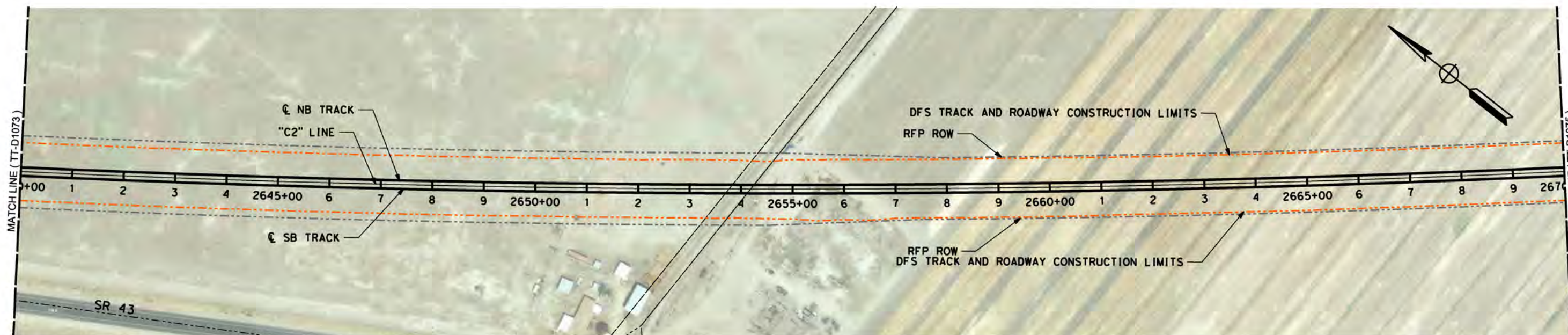
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DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

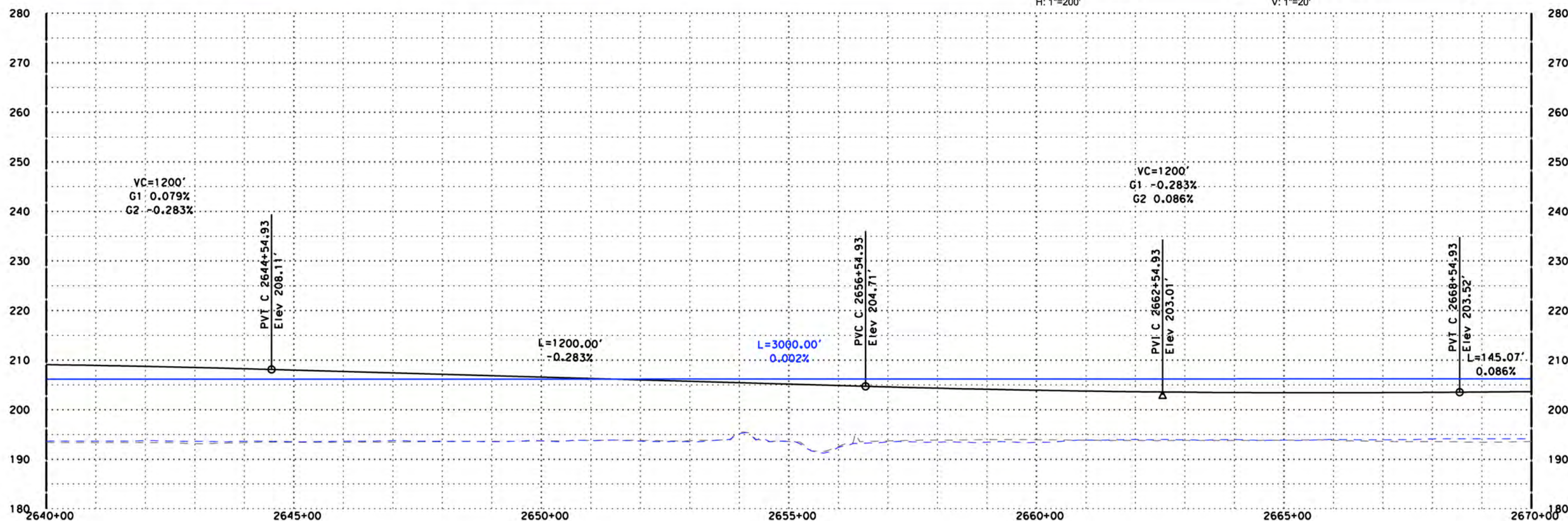
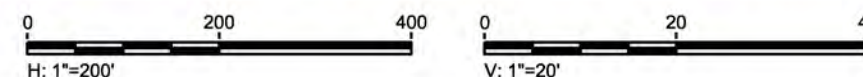


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CONTRACT NO.	HSR 06-0003
DRAWING NO.	D1073
SCALE	AS SHOWN
SHEET NO.	



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



"C2" LINE

DISCLAIMER:
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DESIGNED BY
 P. Borney
 DRAWN BY
 Z. Rookhuyzen
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 8/20/2014

RECORD SET 15%
 DESIGN SUBMISSION
 NOT FOR
 CONSTRUCTION

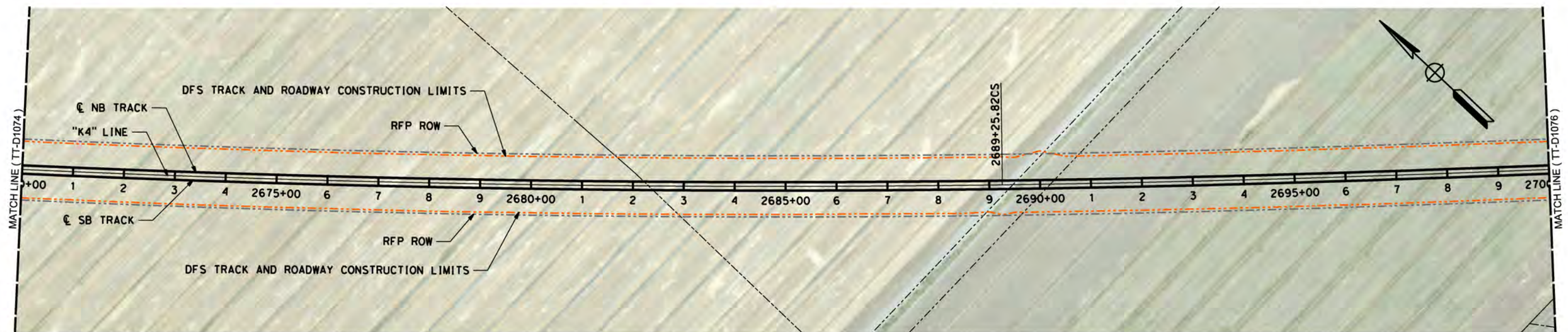


CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

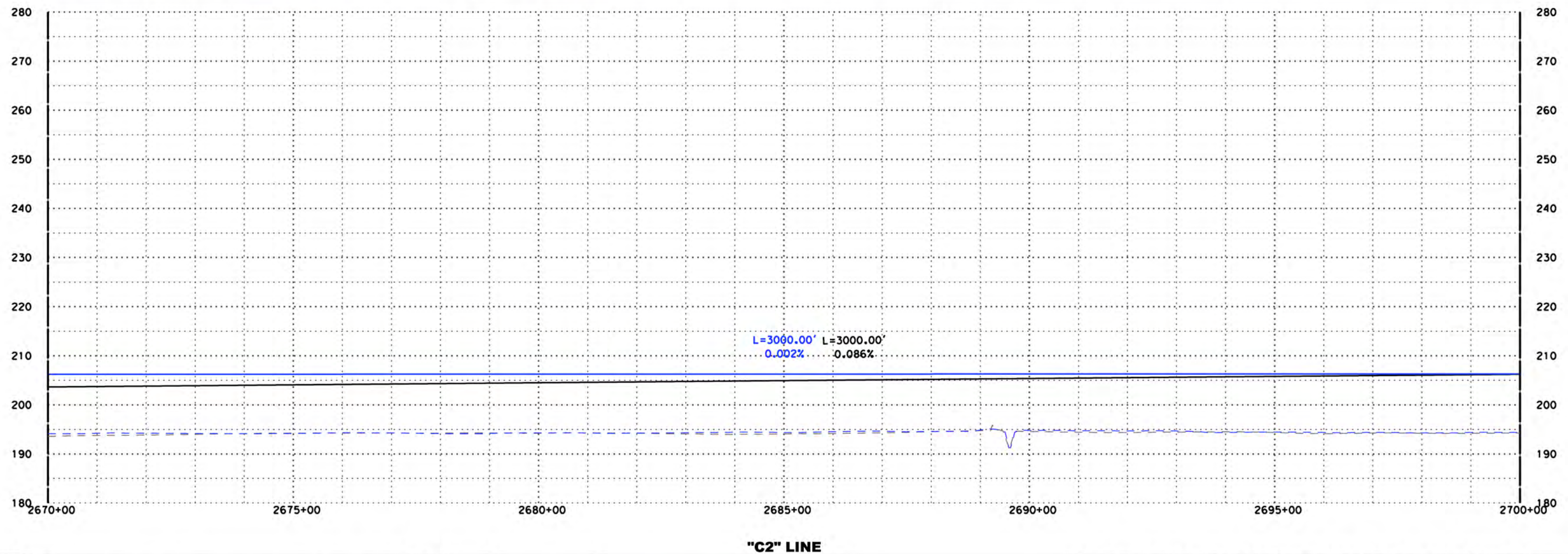
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT C2

PLAN AND PROFILE
 C 2640+00.00 TO C 2670+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1074
 SCALE
 AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



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DESIGNED BY	P. Barney
DRAWN BY	Z. Rookhuyzen
CHECKED BY	E. Karam
IN CHARGE	R. Trevett
DATE	\$DATE\$2014

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

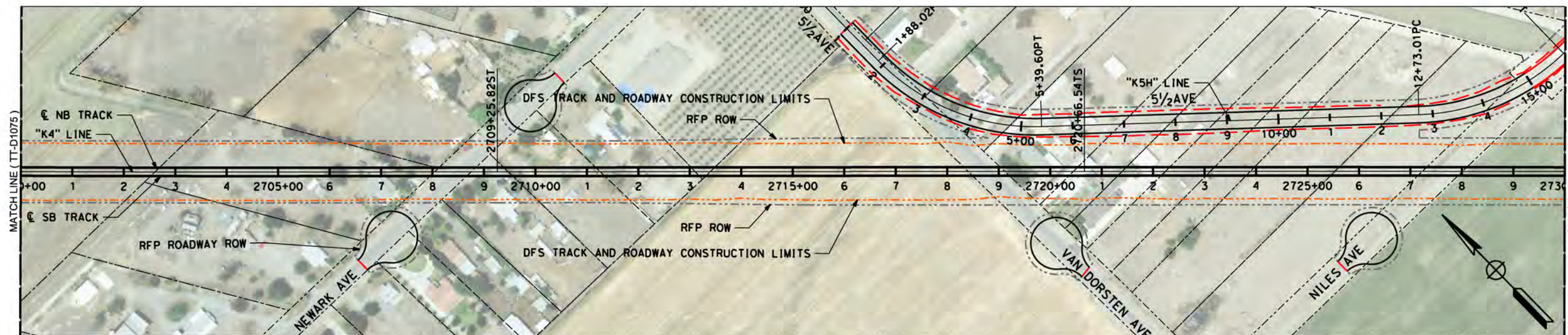


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

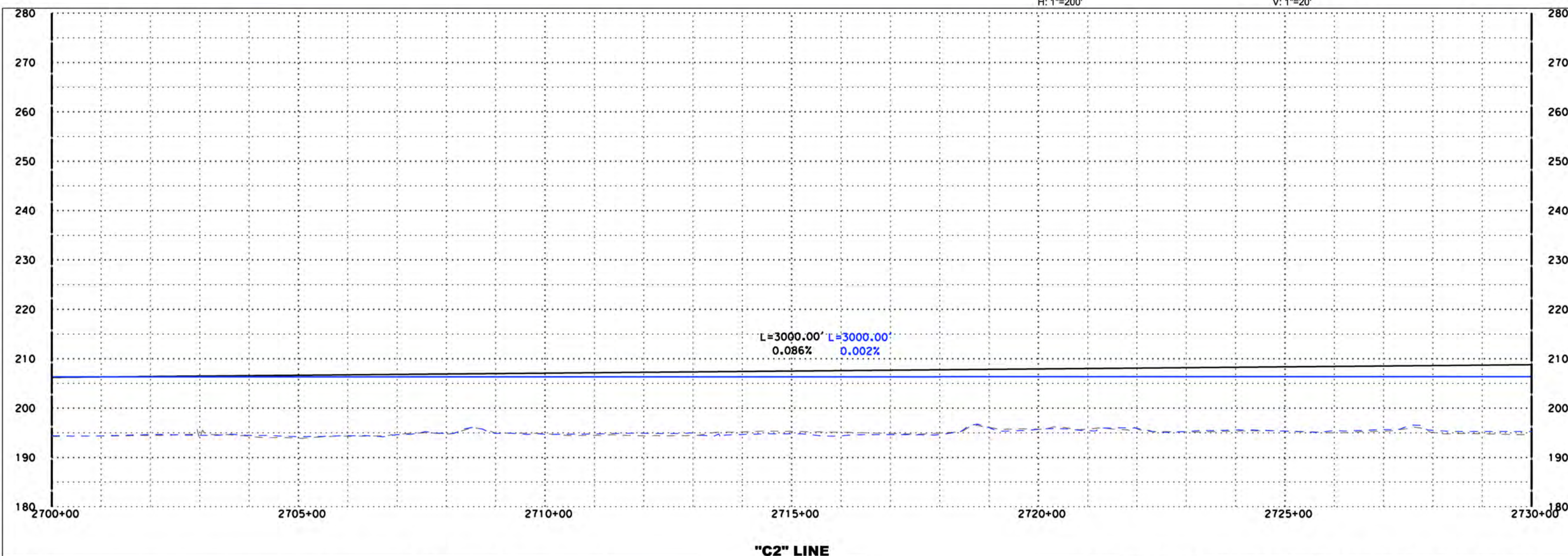
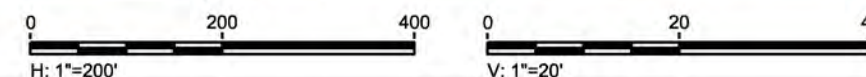
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT C2**

PLAN AND PROFILE
C 2670+00.00 TO C 2700+00.00

CONTRACT NO.	HSR 06-0003
DRAWING NO.	D1075
SCALE	AS SHOWN
SHEET NO.	



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



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DESIGNED BY
 P. Borney
 DRAWN BY
 Z. Rookhuyzen
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 10/15/14

RECORD SET 15%
 DESIGN SUBMISSION
 NOT FOR
 CONSTRUCTION



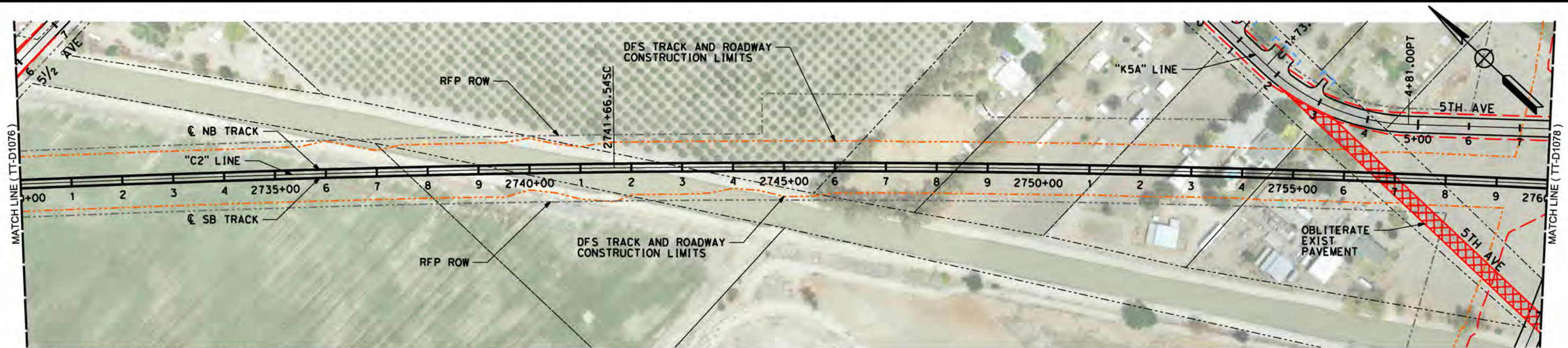
CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT C2

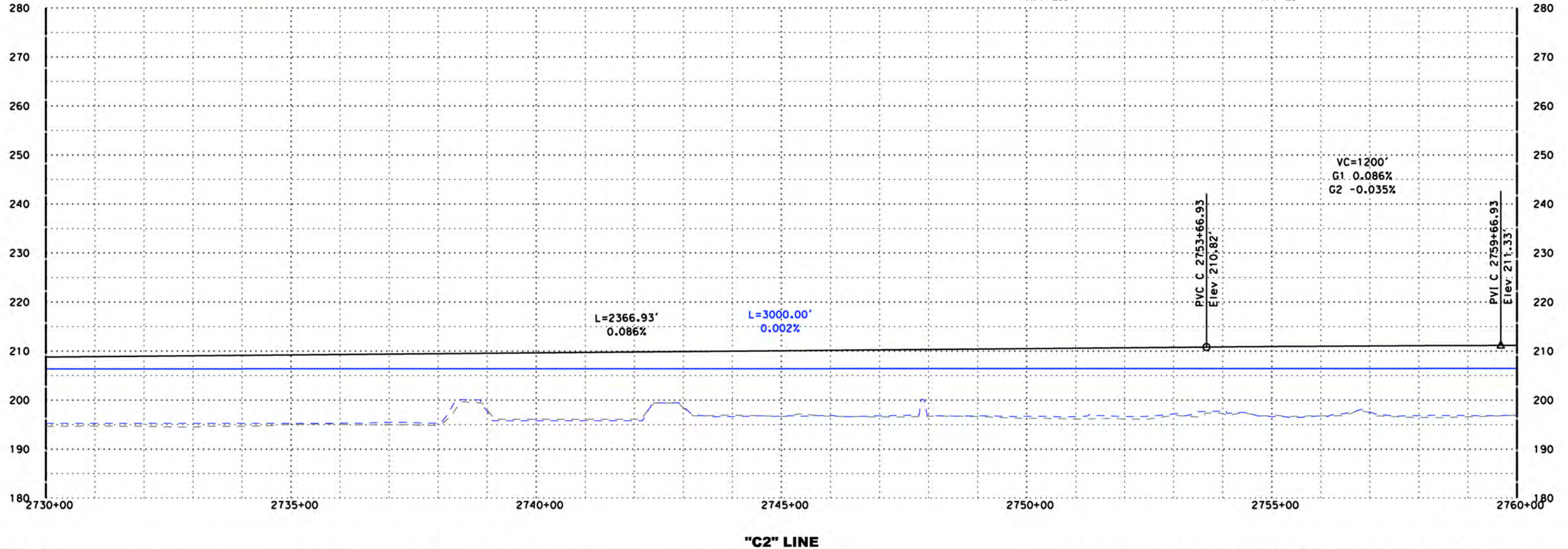
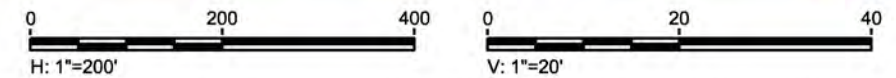
PLAN AND PROFILE
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CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1076
 SCALE
 AS SHOWN
 SHEET NO.

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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - -



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P. Borney
DRAWN BY
Z. Rookhuyzen
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E. Karam
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R. Trevett
DATE
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CONSTRUCTION



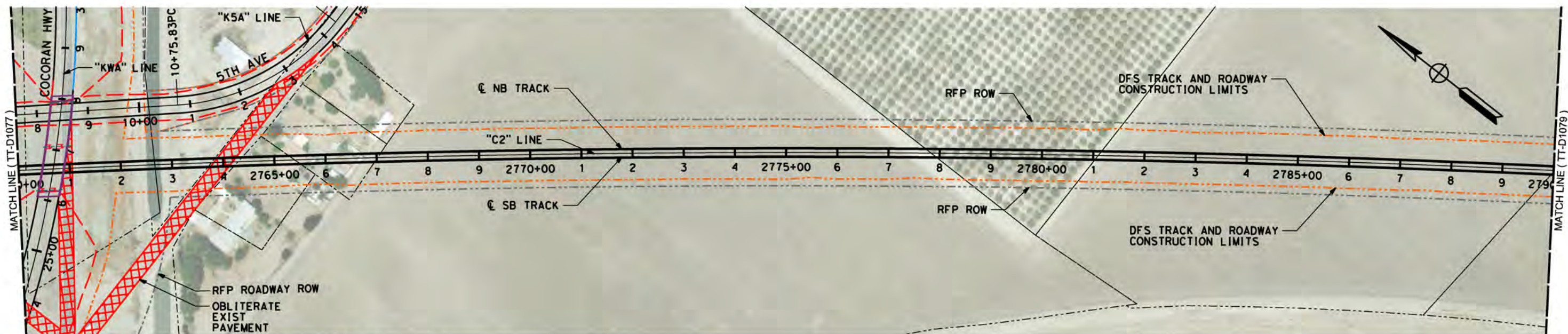
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT C2

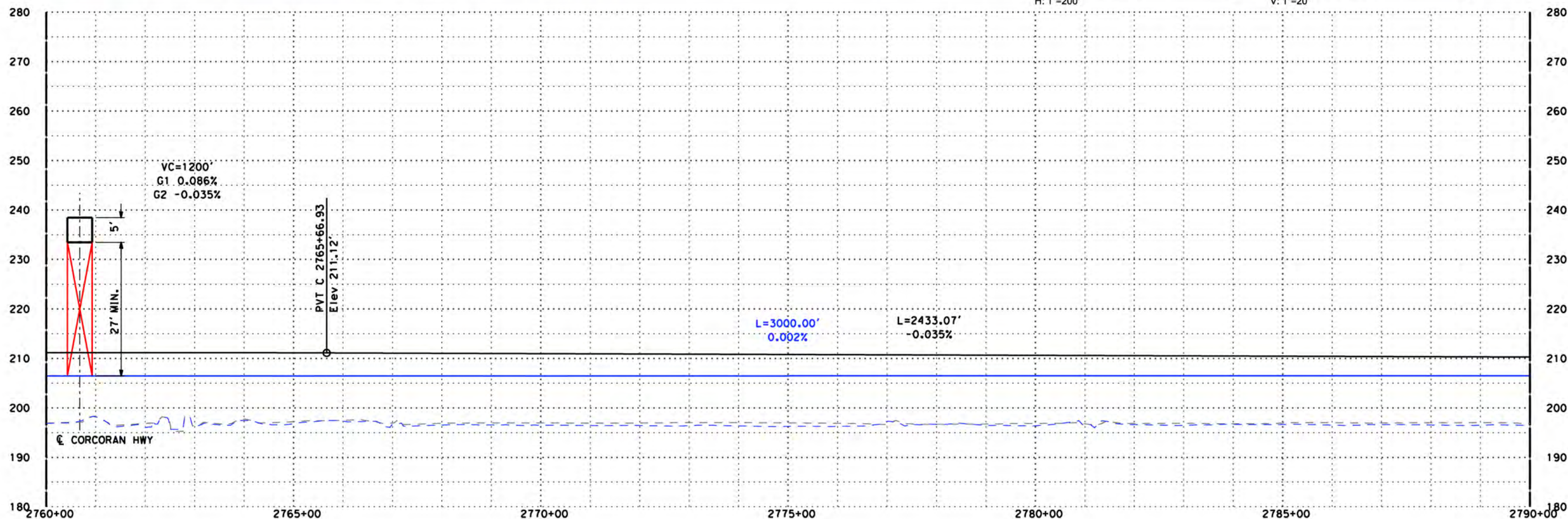
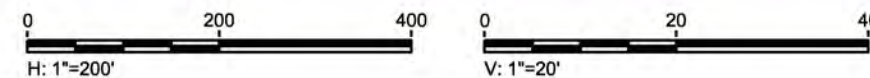
PLAN AND PROFILE
C 2730+00.00 TO C 2760+00.00

CONTRACT NO.
HSR 06-0003
DRAWING NO.
D1077
SCALE
AS SHOWN
SHEET NO.

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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



"C2" LINE

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DESIGNED BY
P. Barney
DRAWN BY
Z. Rookhuyzen
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R. Trevett
DATE
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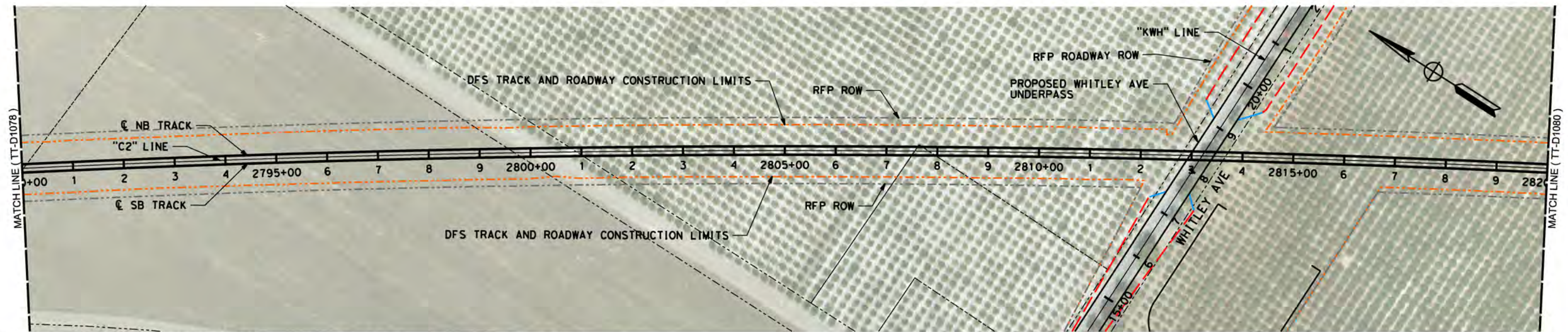
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT C2

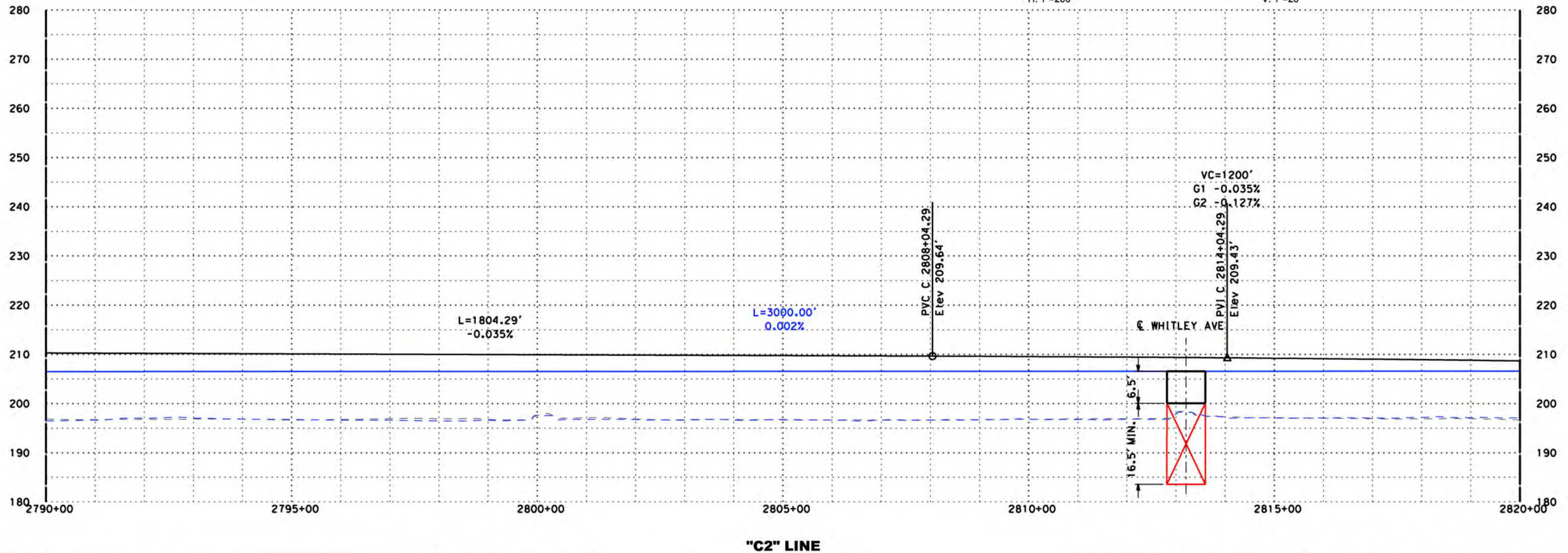
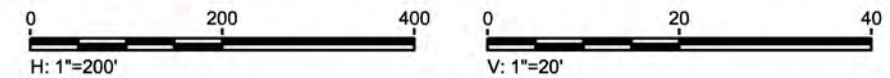
PLAN AND PROFILE
C 2760+00.00 TO C 2790+00.00

CONTRACT NO.
HSR 06-0003
DRAWING NO.
D1078
SCALE
AS SHOWN
SHEET NO.

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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - -



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DESIGNED BY
P. Borney
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
8/20/2014

RECORD SET 15%
DESIGN SUBMISSION

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CONSTRUCTION

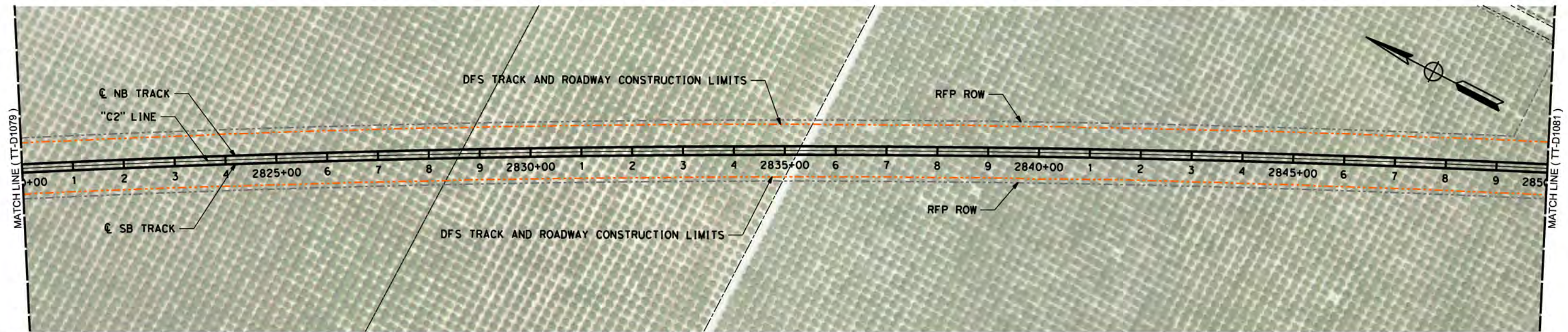


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

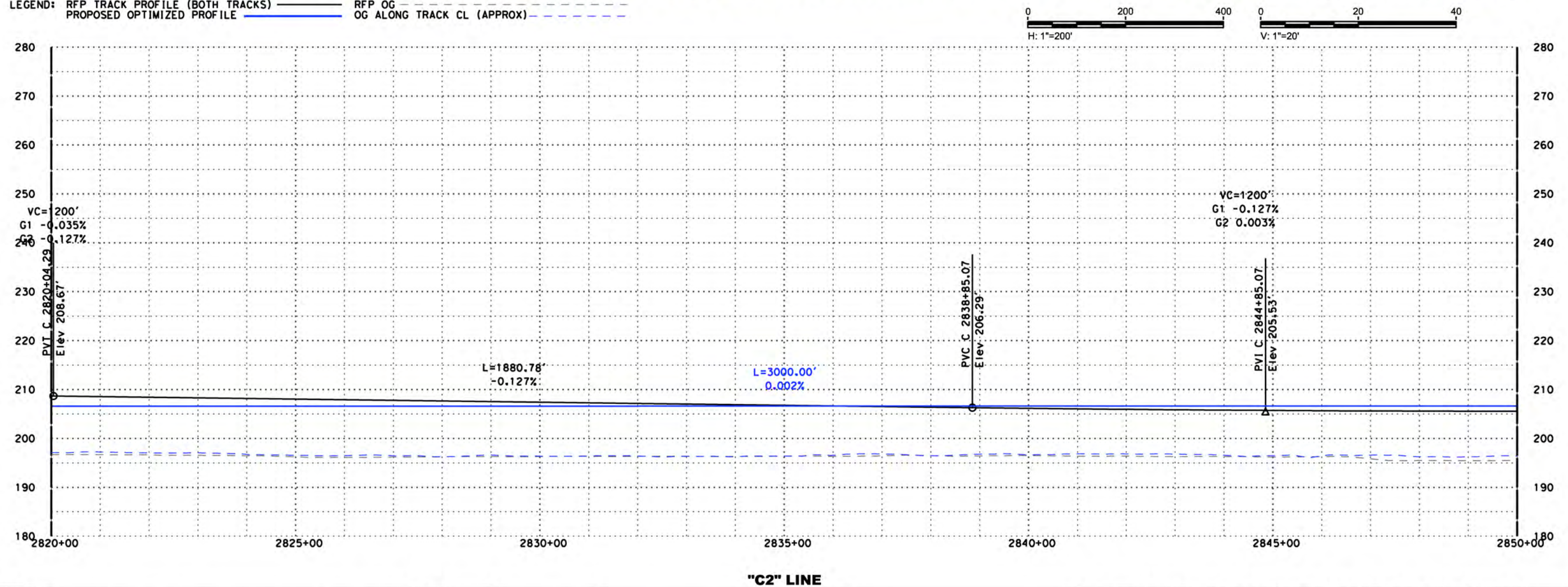
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT C2

PLAN AND PROFILE
C 2790+00.00 TO C 2820+00.00

CONTRACT NO.
HSR 06-0003
DRAWING NO.
D1079
SCALE
AS SHOWN
SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



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CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

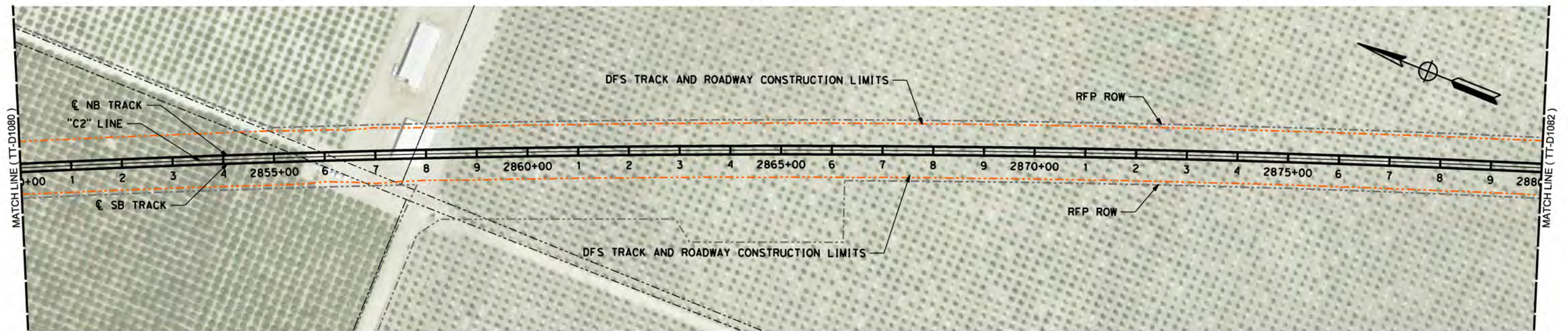
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT C2

PLAN AND PROFILE
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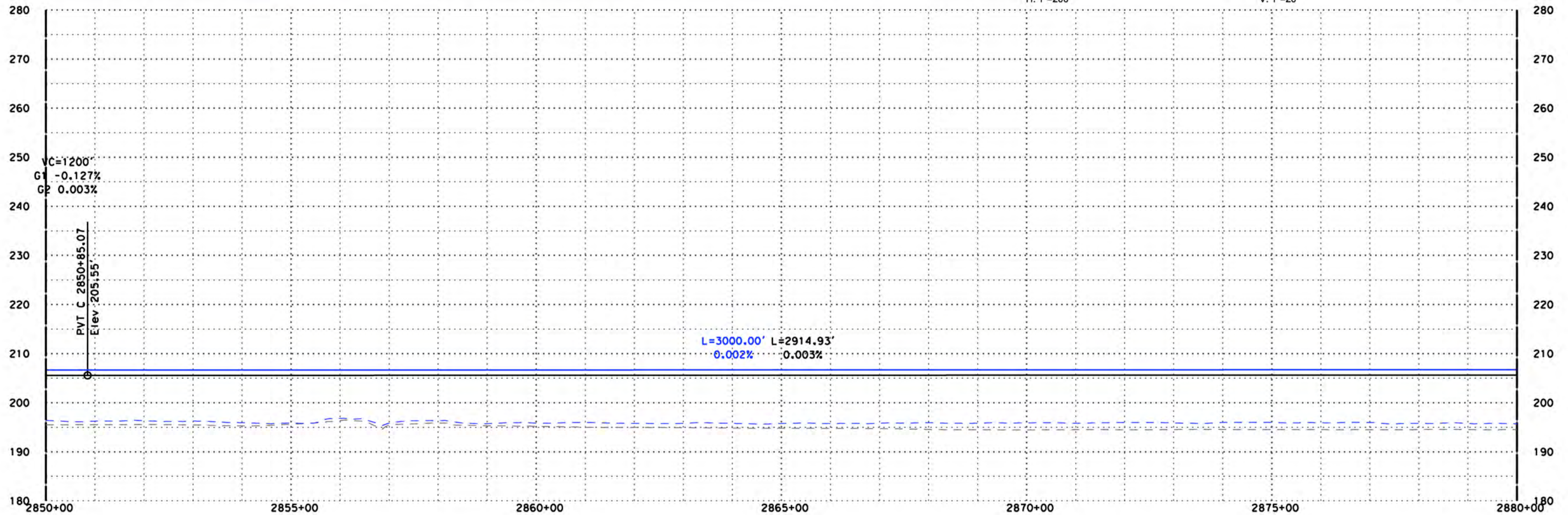
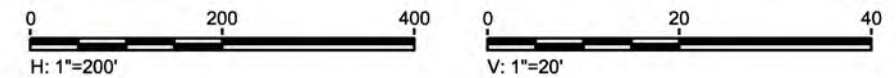
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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



"C2" LINE

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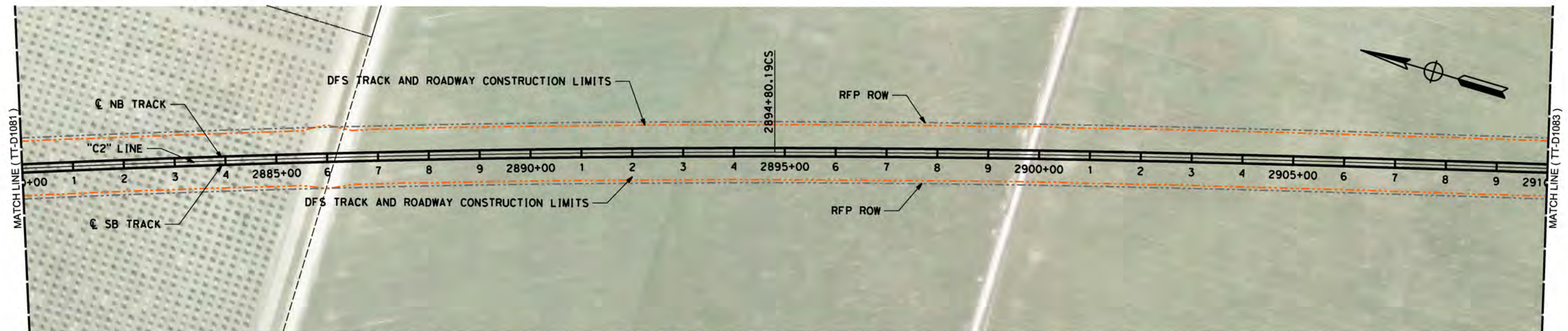


CALIFORNIA
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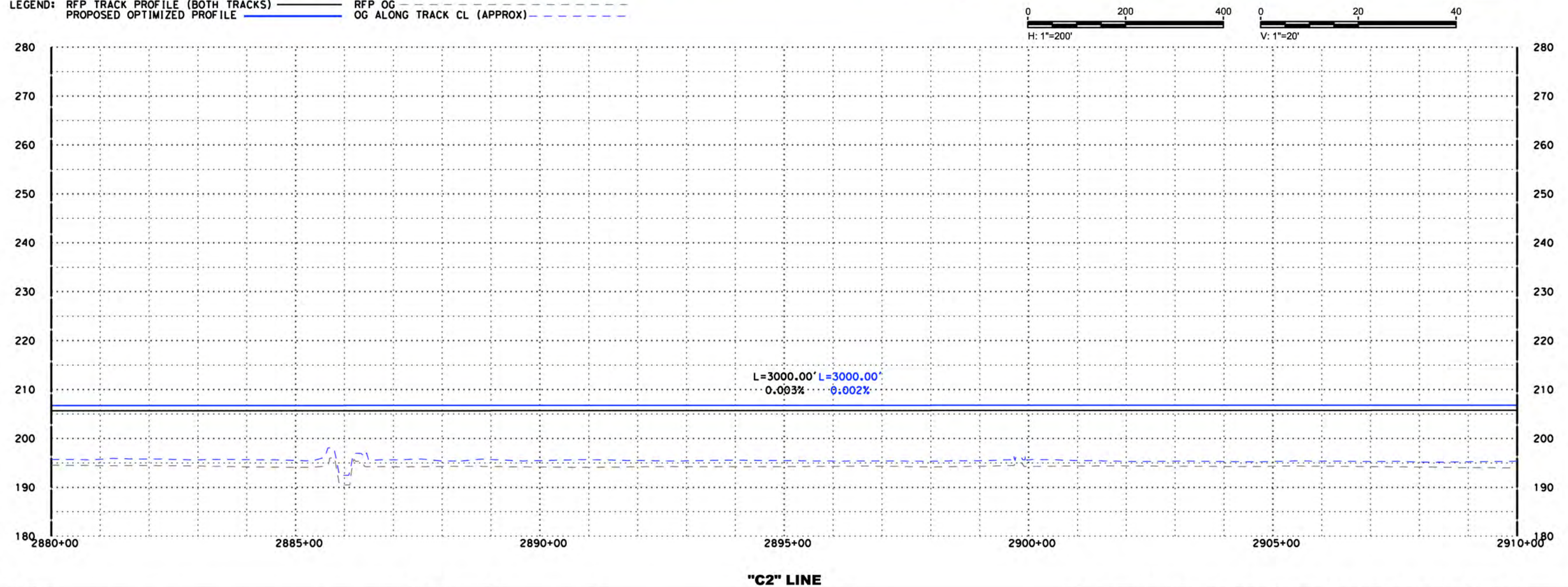
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT C2

PLAN AND PROFILE
C 2850+00.00 TO C 2880+00.00

CONTRACT NO.
HSR 06-0003
DRAWING NO.
D1081
SCALE
AS SHOWN
SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



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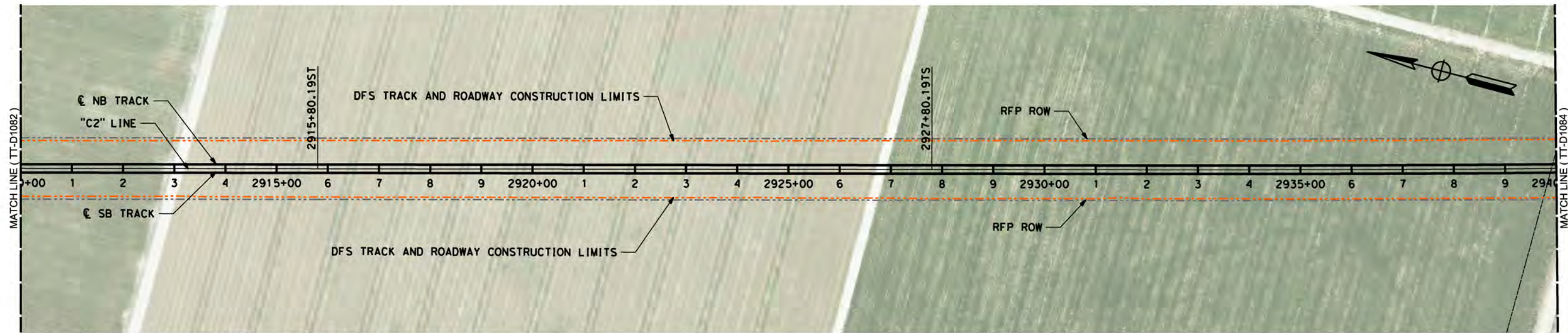
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT C2

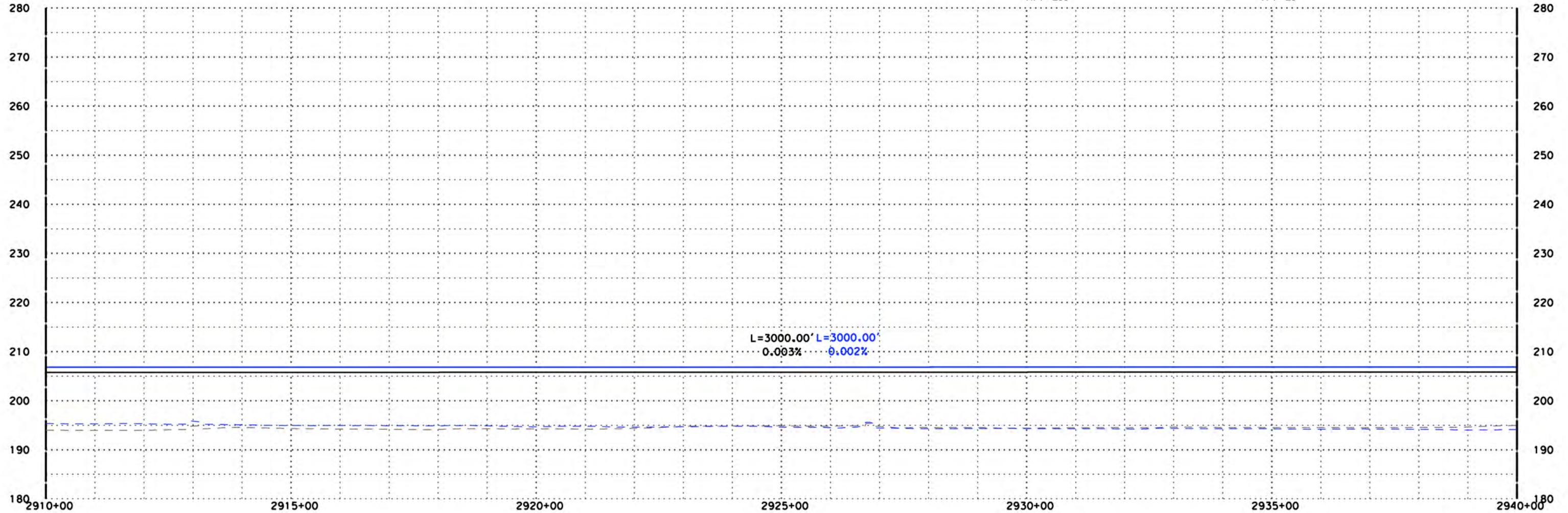
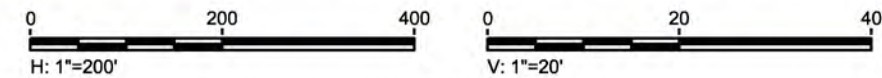
PLAN AND PROFILE
C 2880+00.00 TO C 2910+00.00

CONTRACT NO.
HSR 06-0003
DRAWING NO.
D1082
SCALE
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SHEET NO.

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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



"C2" LINE

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P. Borney
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Z. Rookhuyzen
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R. Trevett
DATE
10/15/14

RECORD SET 15%
DESIGN SUBMISSION

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CONSTRUCTION

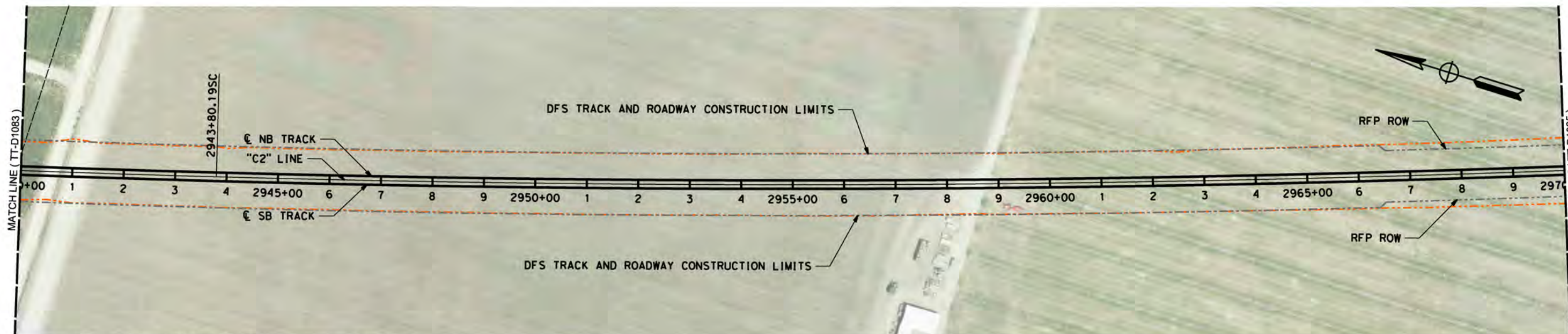


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

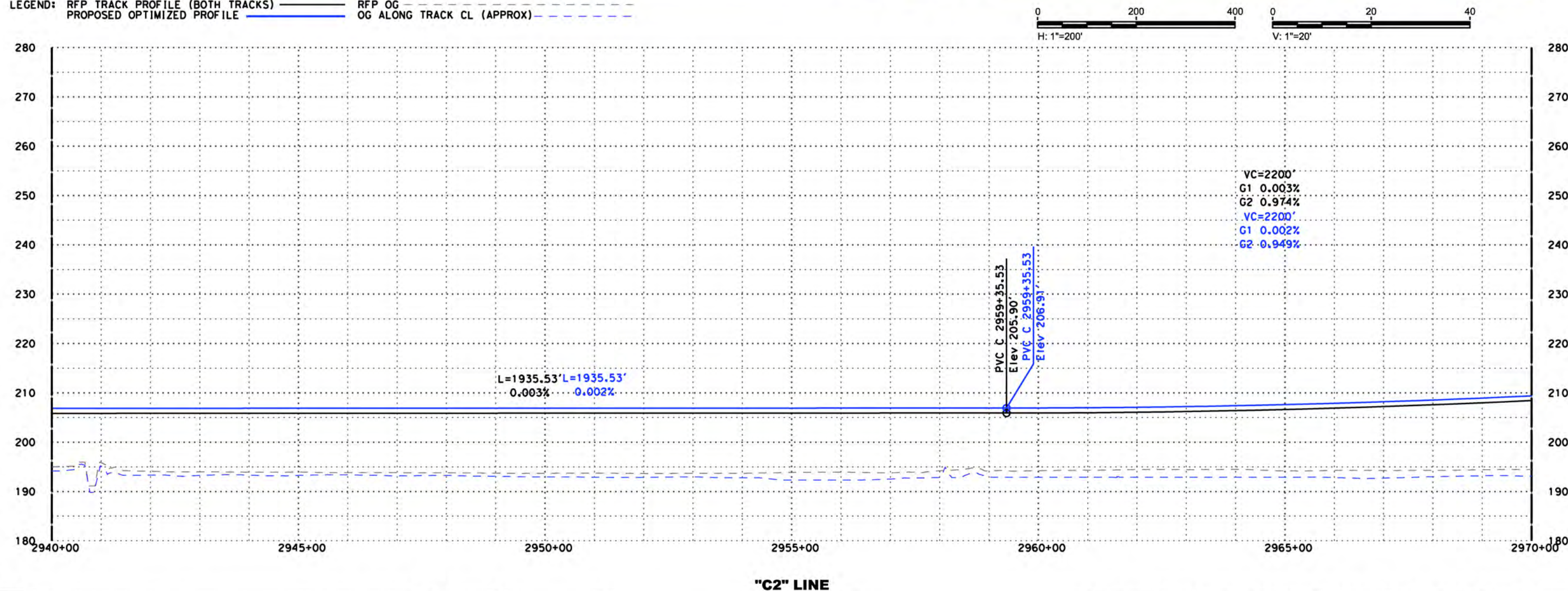
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT C2

PLAN AND PROFILE
C 2910+00.00 TO C 2940+00.00

CONTRACT NO.
HSR 06-0003
DRAWING NO.
D1083
SCALE
AS SHOWN
SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



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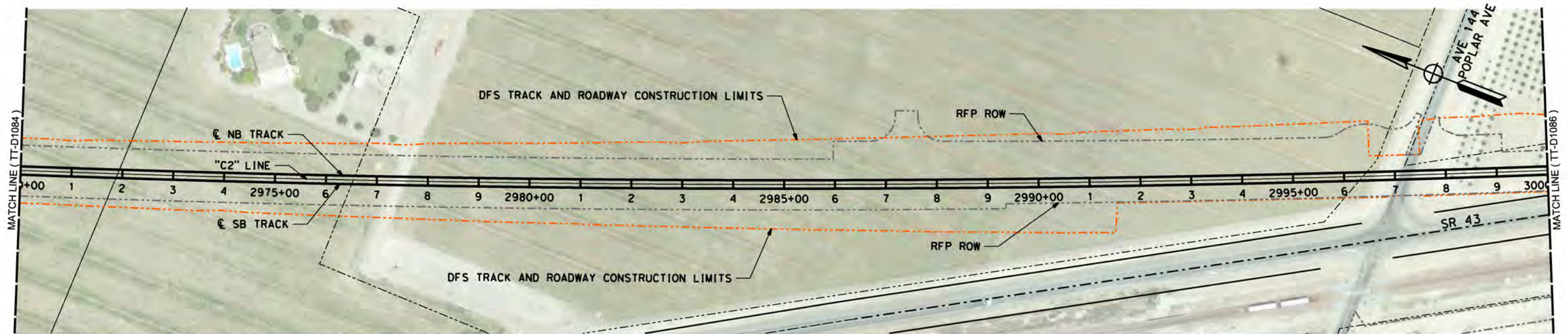
CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT C2

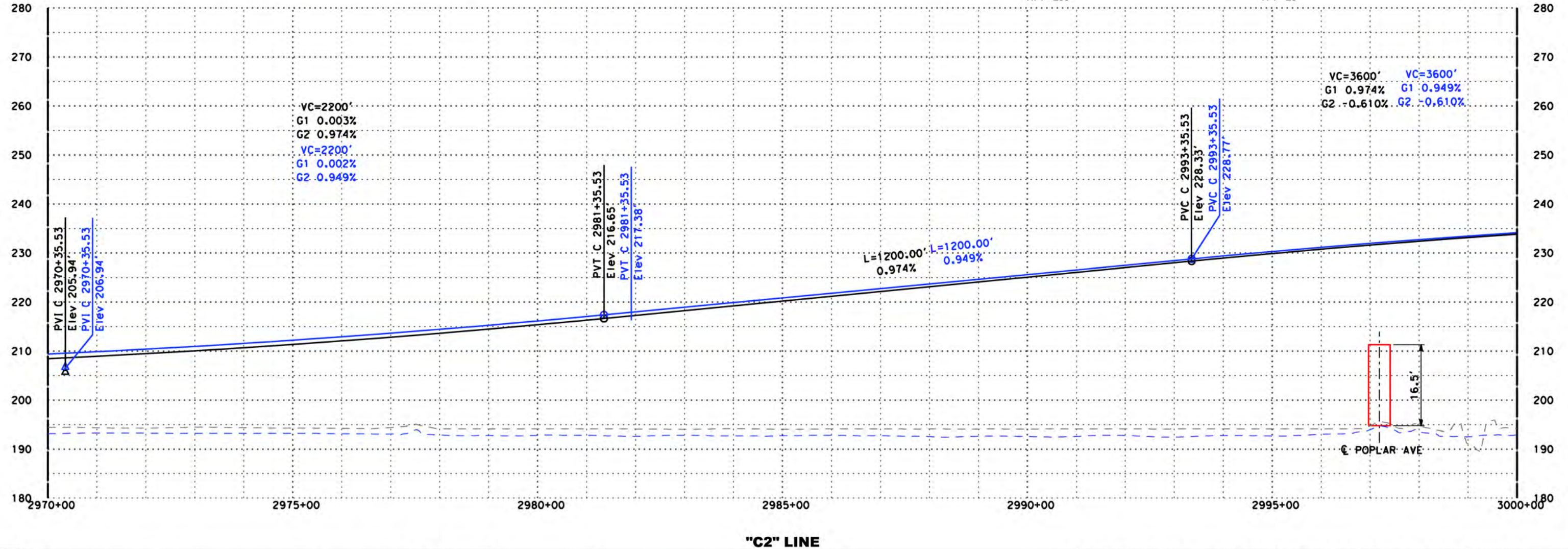
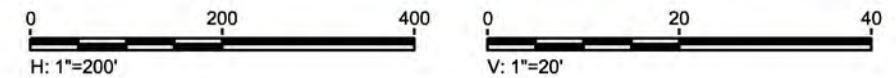
PLAN AND PROFILE
 C 2940+00.00 TO C 2970+00.00

CONTRACT NO.
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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) — RFP OG —
PROPOSED OPTIMIZED PROFILE — OG ALONG TRACK CL (APPROX) —



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E. Karam
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R. Trevett
DATE
10/15/14

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DESIGN SUBMISSION

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CONSTRUCTION

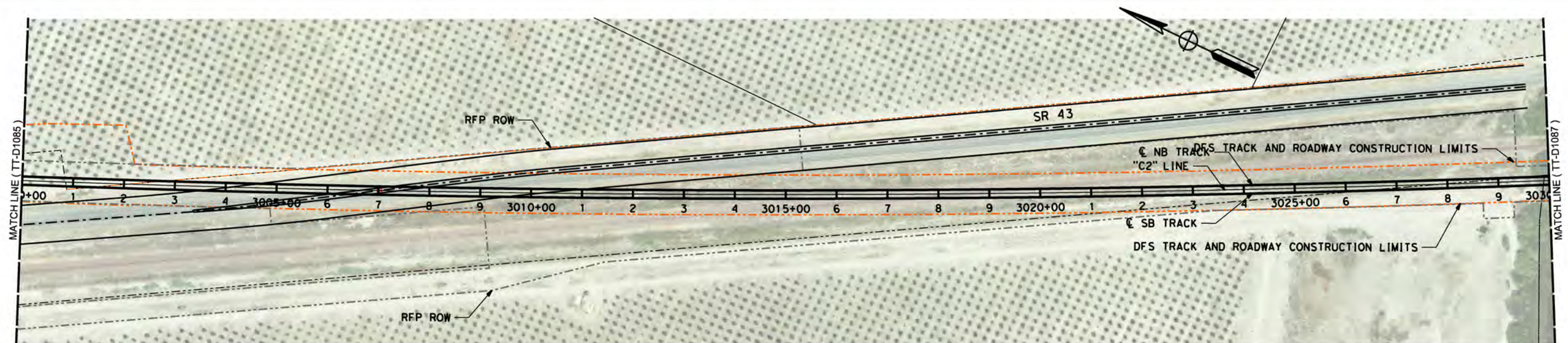


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

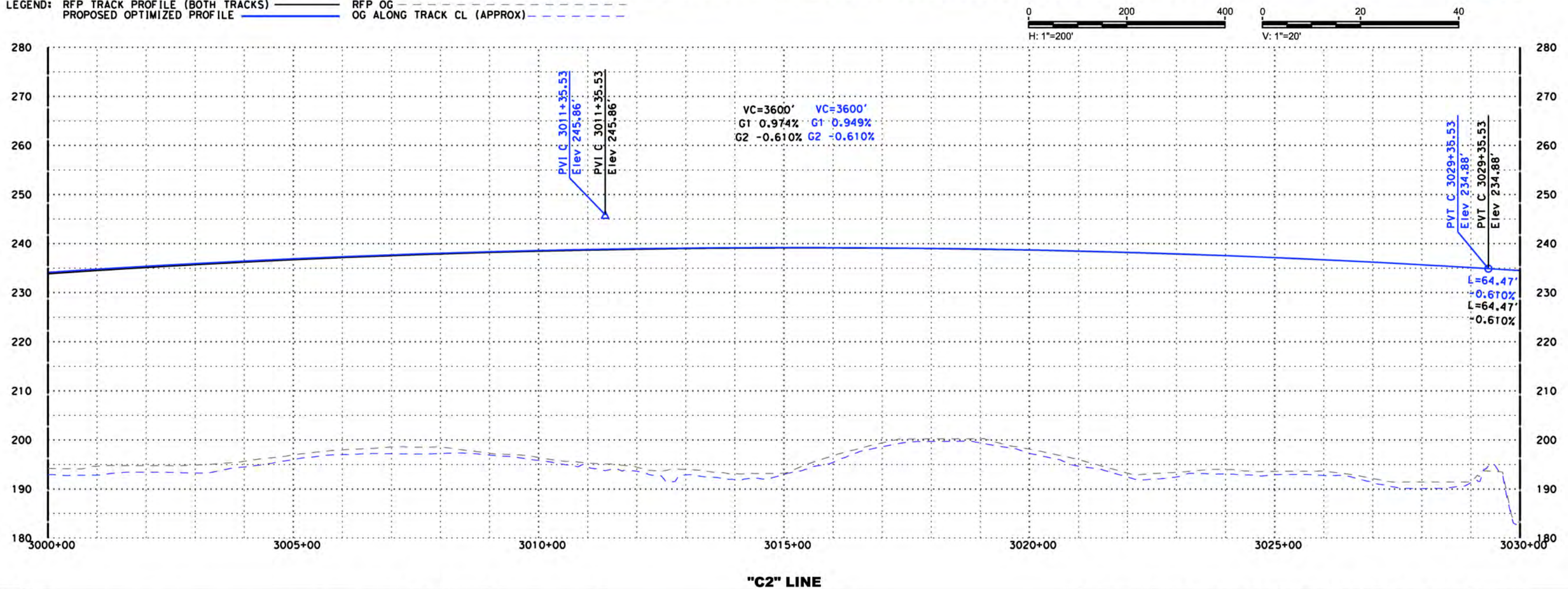
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT C2

PLAN AND PROFILE
C 2970+00.00 TO C 3000+00.00

CONTRACT NO.
HSR 06-0003
DRAWING NO.
D1085
SCALE
AS SHOWN
SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



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DRAWN BY	Z. Rookhuyzen
CHECKED BY	E. Karam
IN CHARGE	R. Trevett
DATE	10/15/14

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DESIGN SUBMISSION**

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CONSTRUCTION**



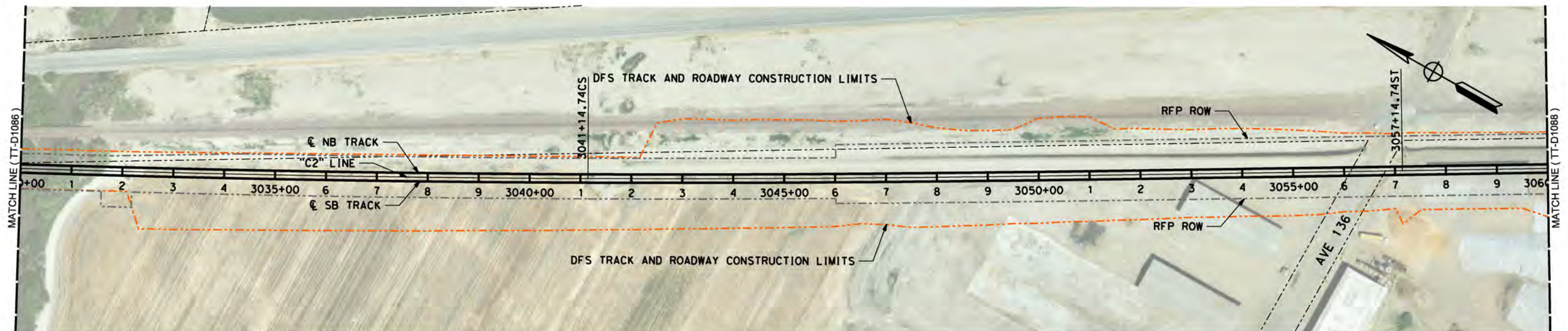
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT C2**

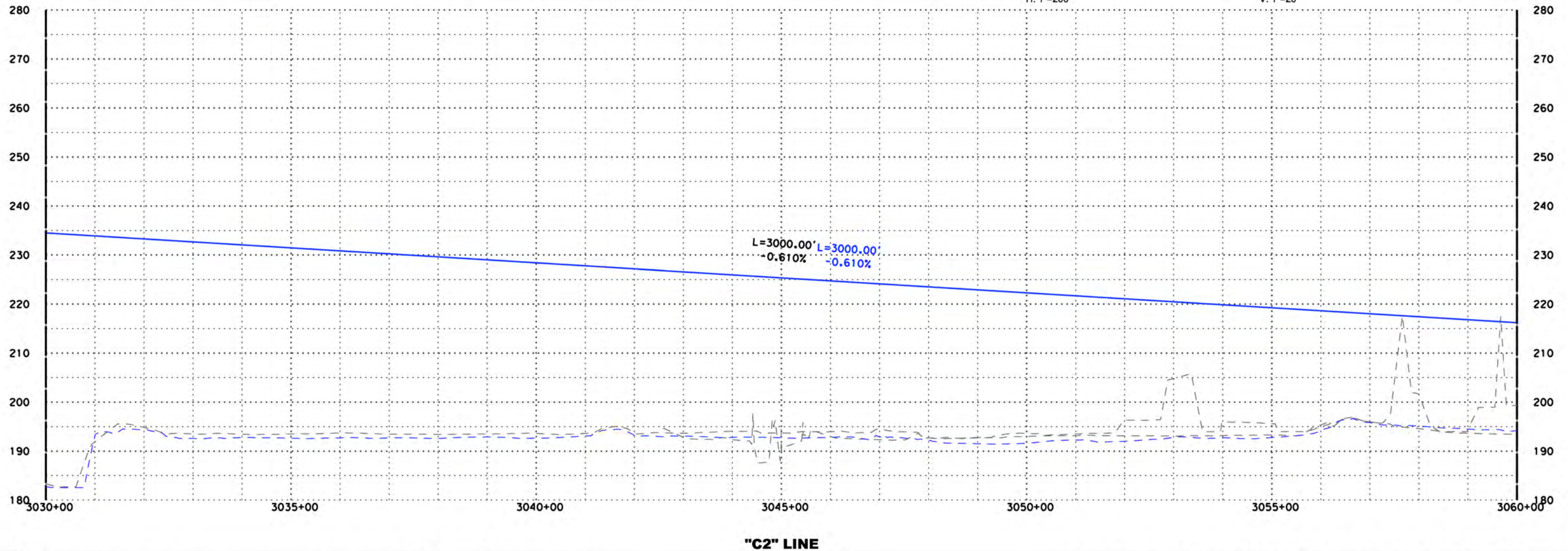
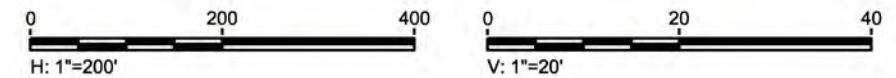
PLAN AND PROFILE
C 3000+00.00 TO C 3030+00.00

CONTRACT NO.	HSR 06-0003
DRAWING NO.	D1086
SCALE	AS SHOWN
SHEET NO.	

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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



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DESIGN SUBMISSION

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CONSTRUCTION

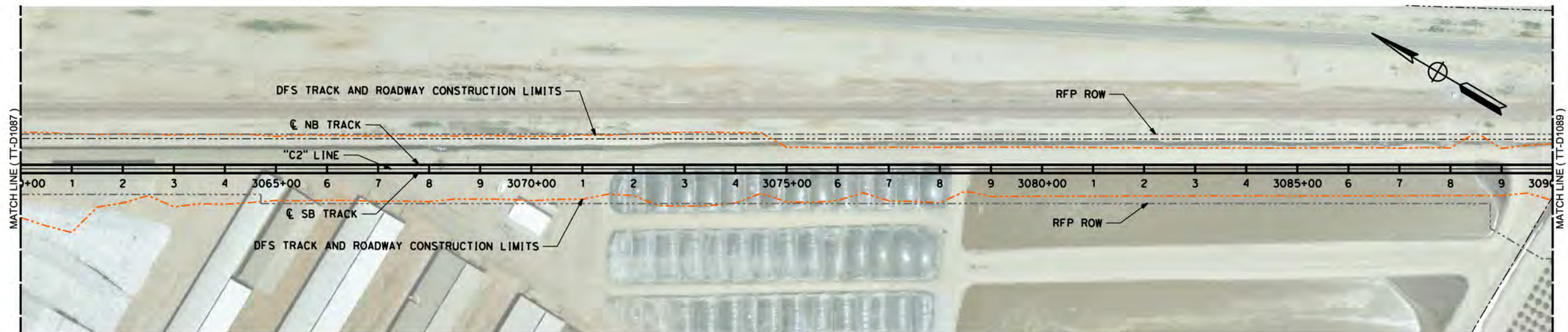


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

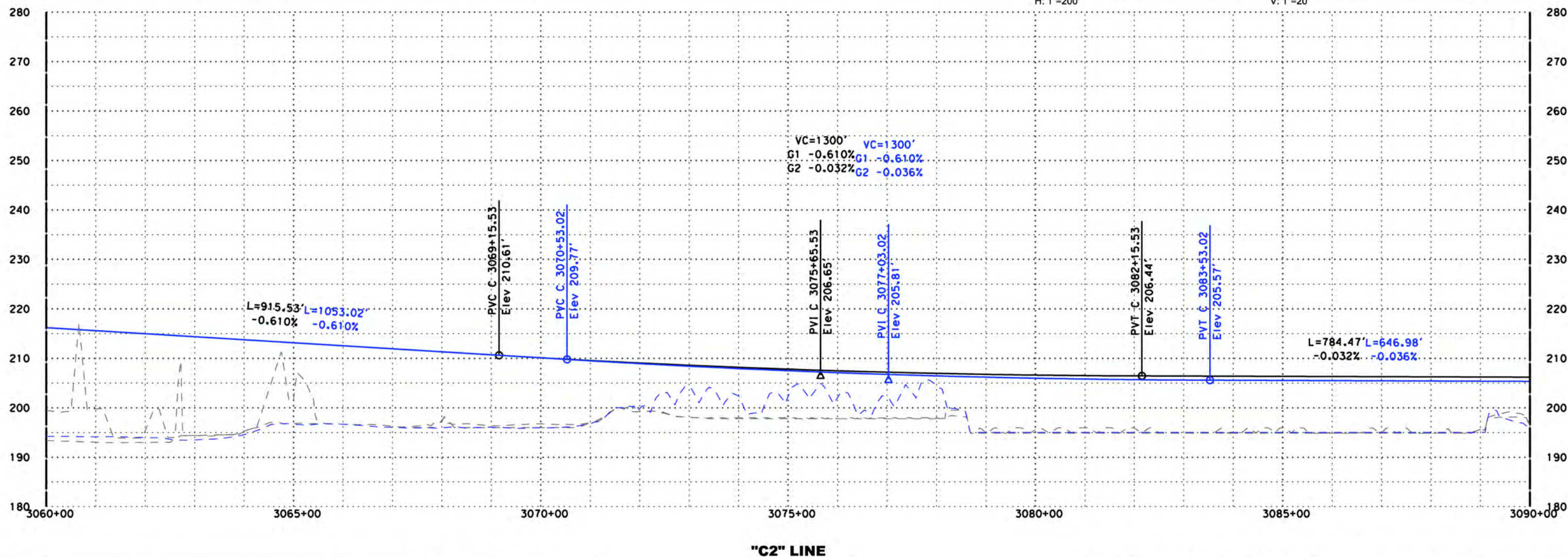
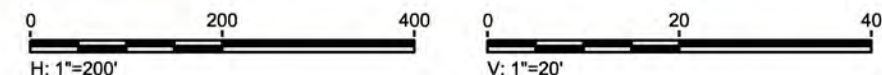
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT C2

PLAN AND PROFILE
C 3030+00.00 TO C 3060+00.00

CONTRACT NO.
HSR 06-0003
DRAWING NO.
D1087
SCALE
AS SHOWN
SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
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DESIGNED BY
 P. Borney
 DRAWN BY
 Z. Rookhuyzen
 CHECKED BY
 E. Koram
 IN CHARGE
 R. Trevett
 DATE
 10/15/14

RECORD SET 15%
 DESIGN SUBMISSION
 NOT FOR
 CONSTRUCTION



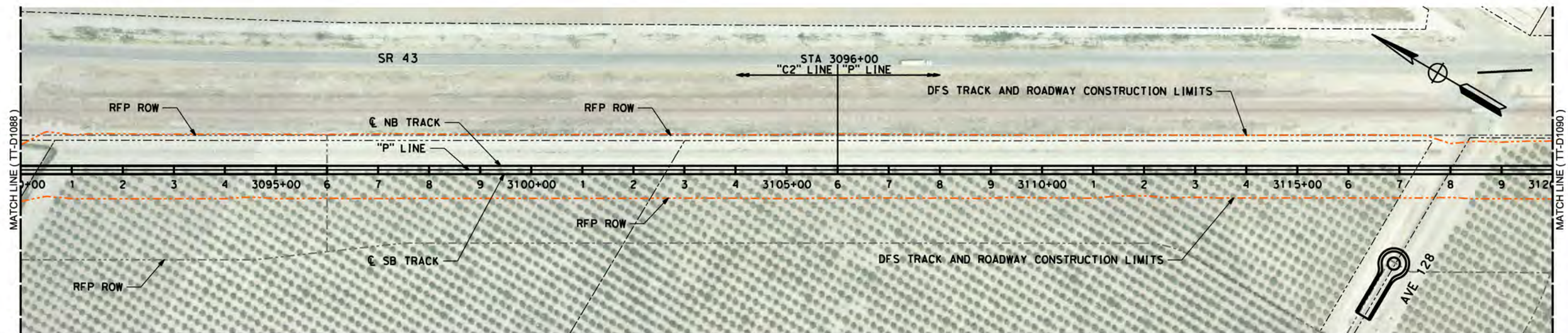
CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT C2

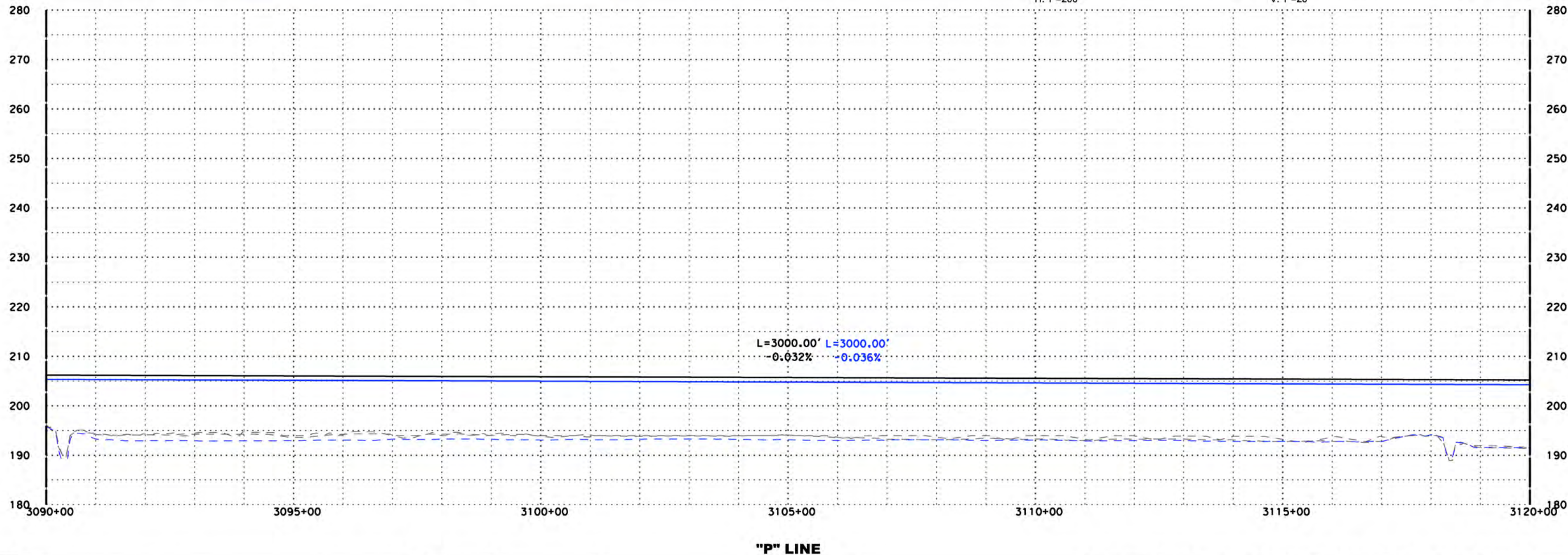
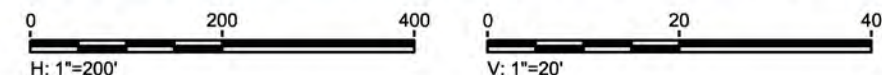
PLAN AND PROFILE
 C 3060+00.00 TO C 3090+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1088
 SCALE
 AS SHOWN
 SHEET NO.

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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



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DESIGNED BY
P. Borney
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
10/15/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

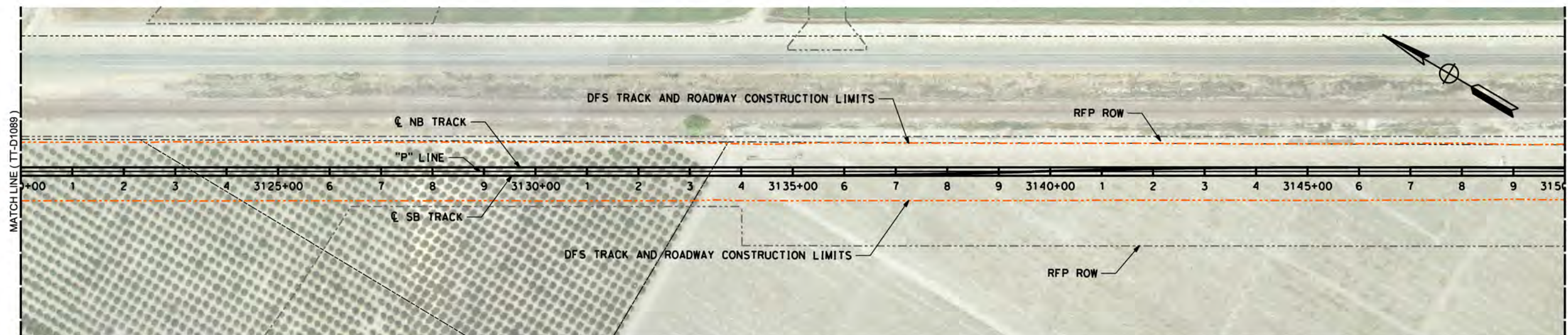


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

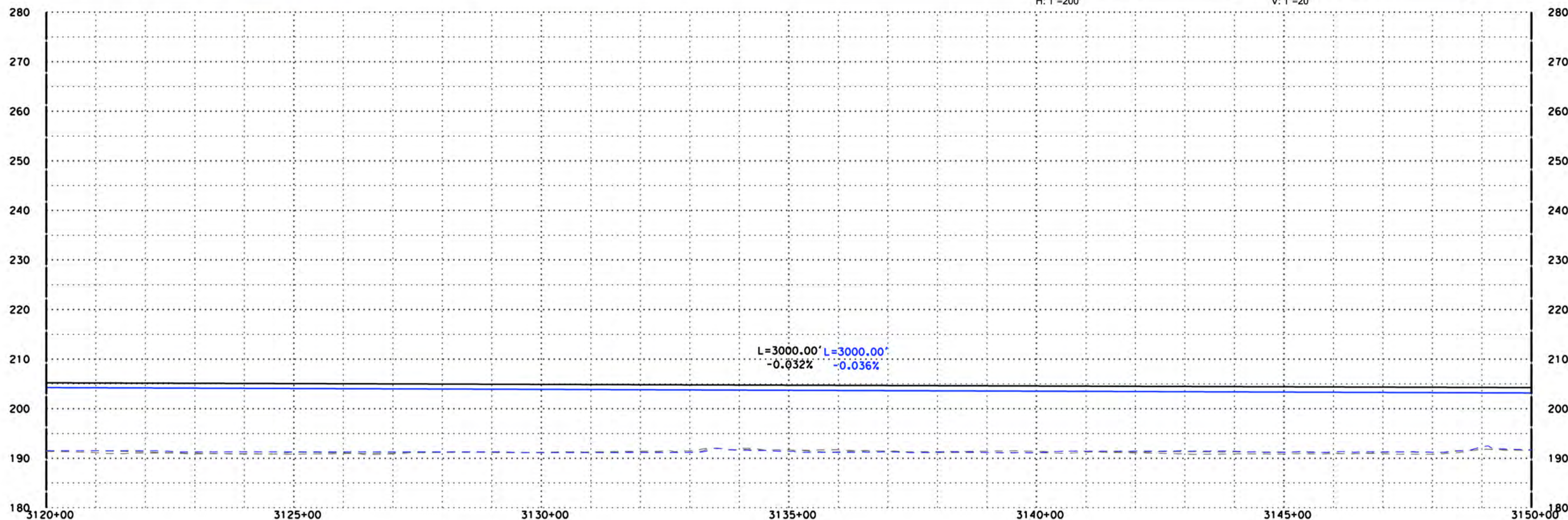
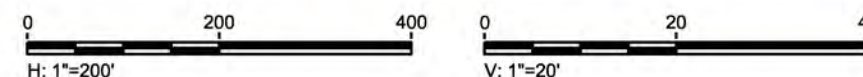
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT P

PLAN AND PROFILE
C 3090+00.00 TO P 3120+00.00

CONTRACT NO.
HSR 06-0003
DRAWING NO.
D1089
SCALE
AS SHOWN
SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



"P" LINE

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DESIGNED BY
P. Borney
 DRAWN BY
Z. Rookhuyzen
 CHECKED BY
E. Karam
 IN CHARGE
R. Trevett
 DATE
10/15/14

RECORD SET 15%
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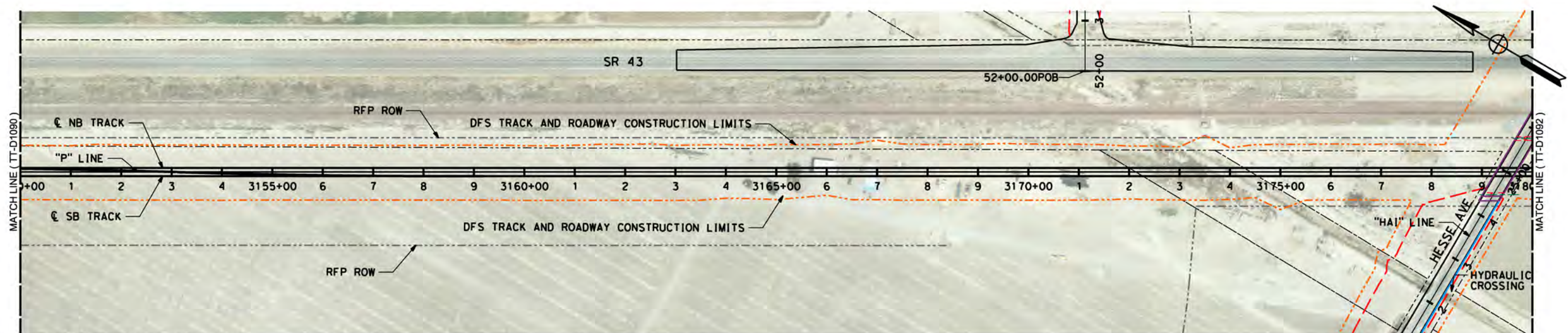
CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT P

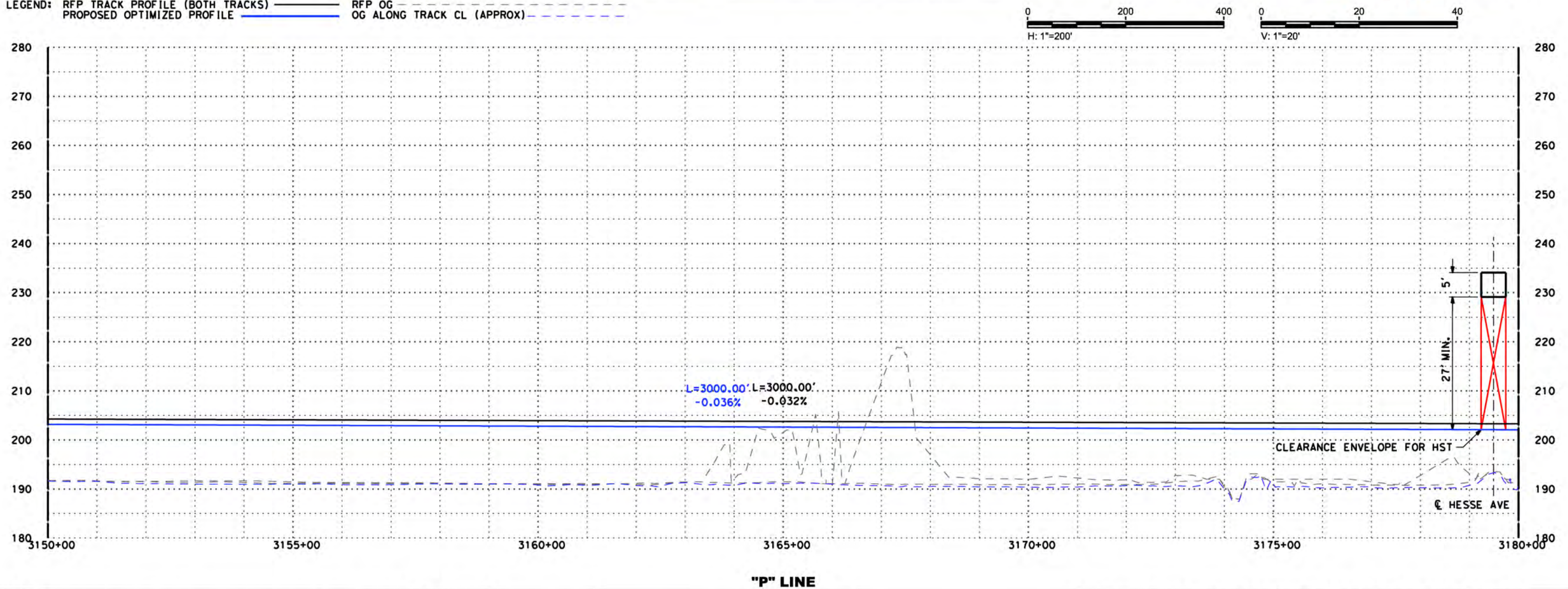
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 P 3120+00.00 TO P 3150+00.00

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
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AS SHOWN
 SHEET NO.

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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



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DESIGNED BY	P. Barney
DRAWN BY	Z. Rookhuyzen
CHECKED BY	E. Karam
IN CHARGE	R. Trevett
DATE	10/15/14

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



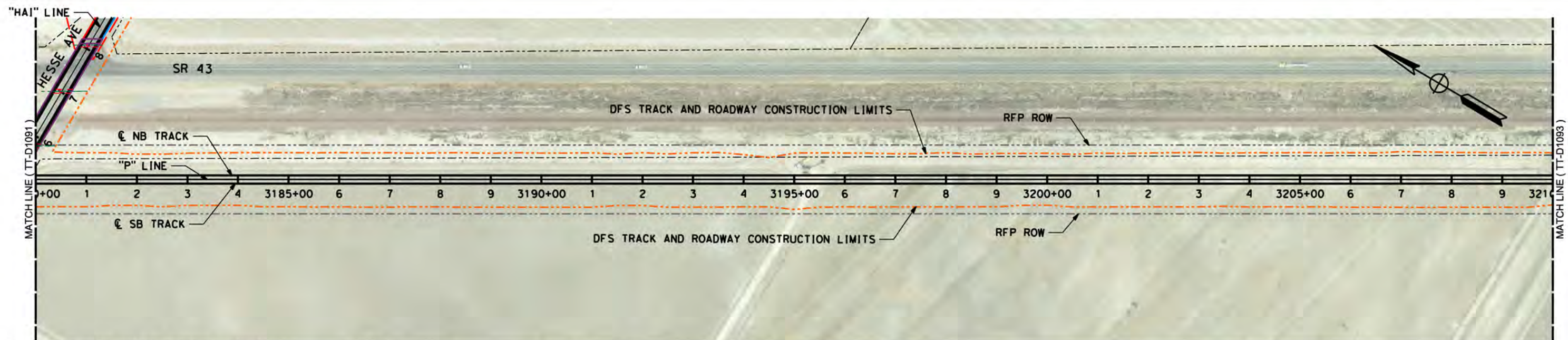
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT P**

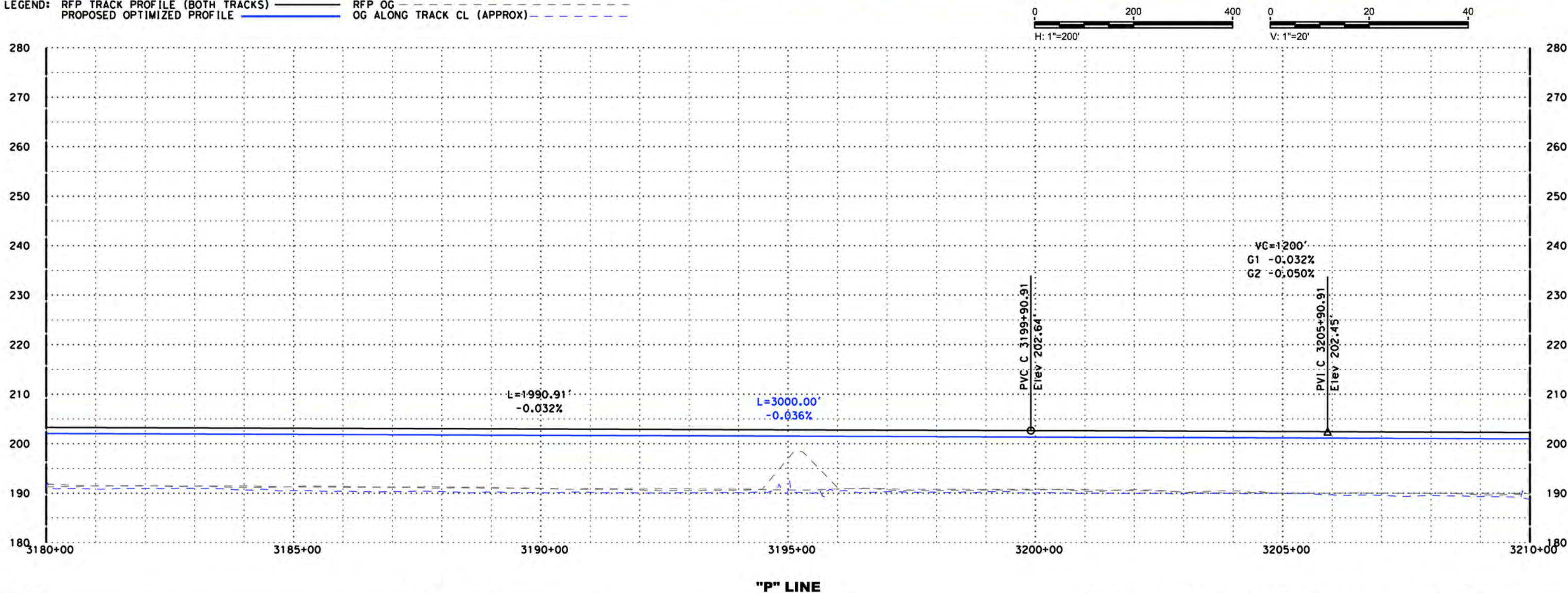
PLAN AND PROFILE
C 3150+00.00 TO C 3180+00.00

CONTRACT NO.	HSR 06-0003
DRAWING NO.	D1091
SCALE	AS SHOWN
SHEET NO.	

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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



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P. Borney
DRAWN BY
Z. Rookhuyzen
CHECKED BY
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IN CHARGE
R. Trevett
DATE
10/15/14

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CONSTRUCTION

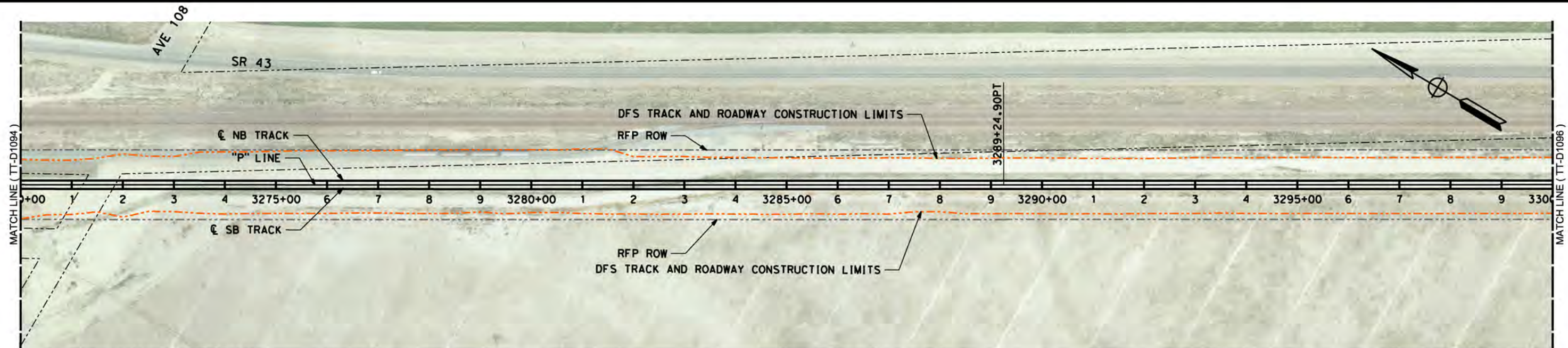


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

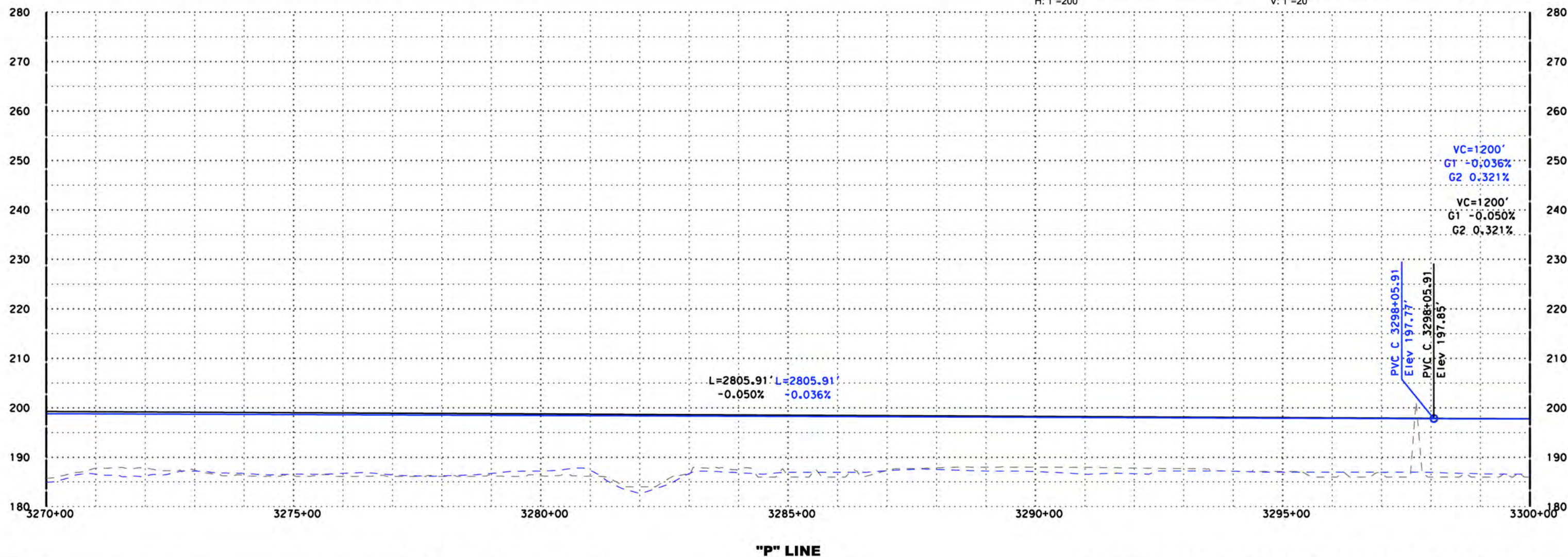
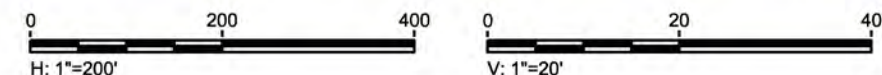
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT P

PLAN AND PROFILE
P 3180+00.00 TO P 3210+00.00

CONTRACT NO.
HSR 06-0003
DRAWING NO.
D1092
SCALE
AS SHOWN
SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



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DESIGNED BY
P. Borney
 DRAWN BY
Z. Rookhuyzen
 CHECKED BY
E. Karam
 IN CHARGE
R. Trevett
 DATE
8/20/2014

RECORD SET 15%
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 CONSTRUCTION



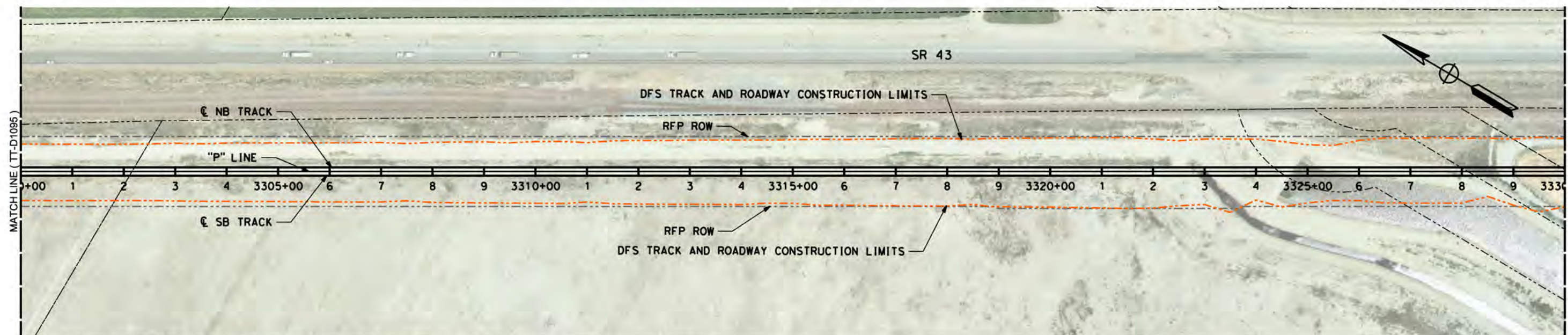
CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT P

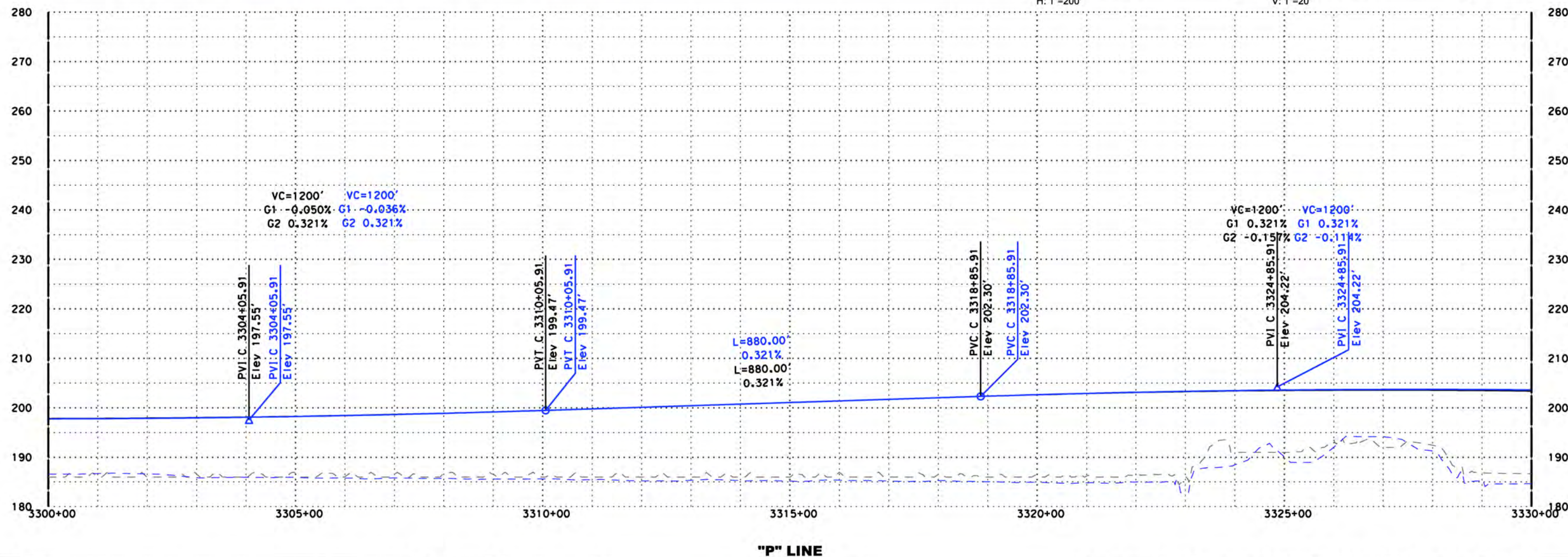
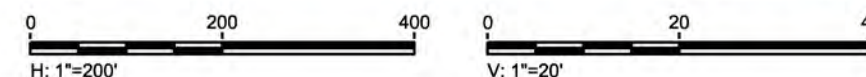
PLAN AND PROFILE
 P 3270+00.00 TO P 3300+00.00

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
D1095
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AS SHOWN
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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



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P. Borney
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Z. Rookhuyzen
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R. Trevett
 DATE
10/15/14

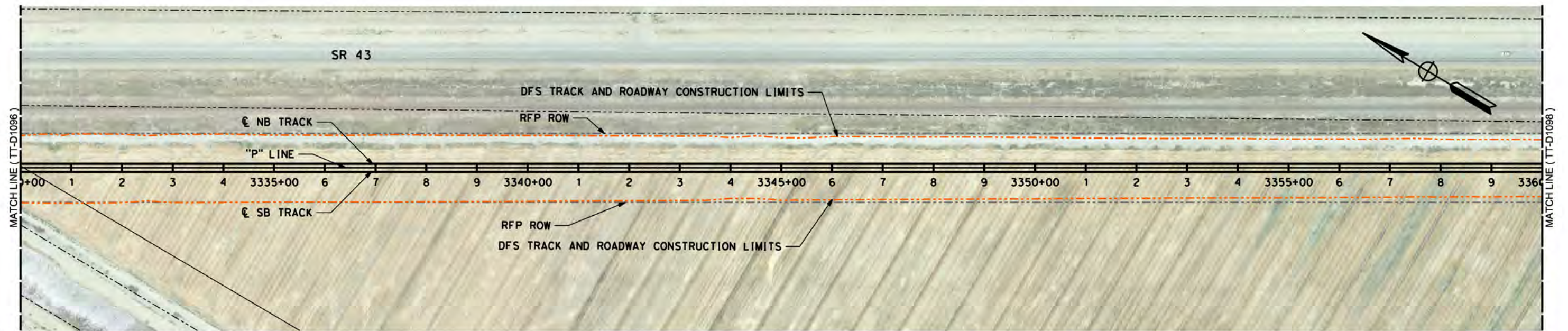
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 DESIGN SUBMISSION
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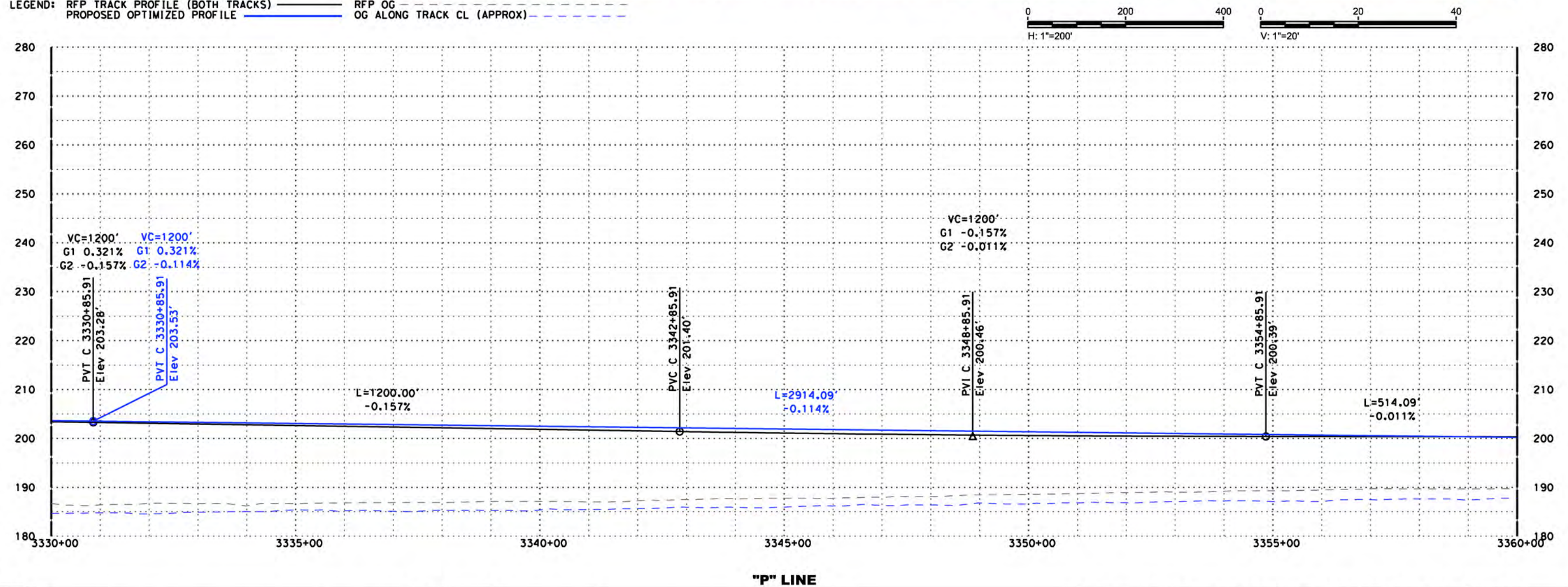
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT P**

PLAN AND PROFILE
 P 3300+00.00 TO P 3330+00.00

CONTRACT NO.
HSR 06-0003
 DRAWING NO.
D1096
 SCALE
AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



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 P. Borney
 DRAWN BY
 Z. Rookhuyzen
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 E. Karam
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 R. Trevett
 DATE
 10/15/14

RECORD SET 15%
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 CONSTRUCTION

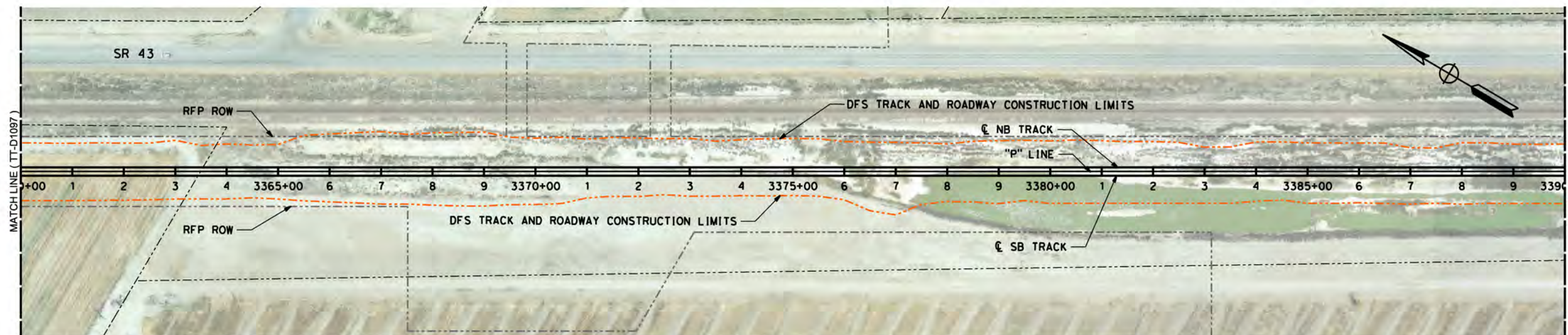


CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

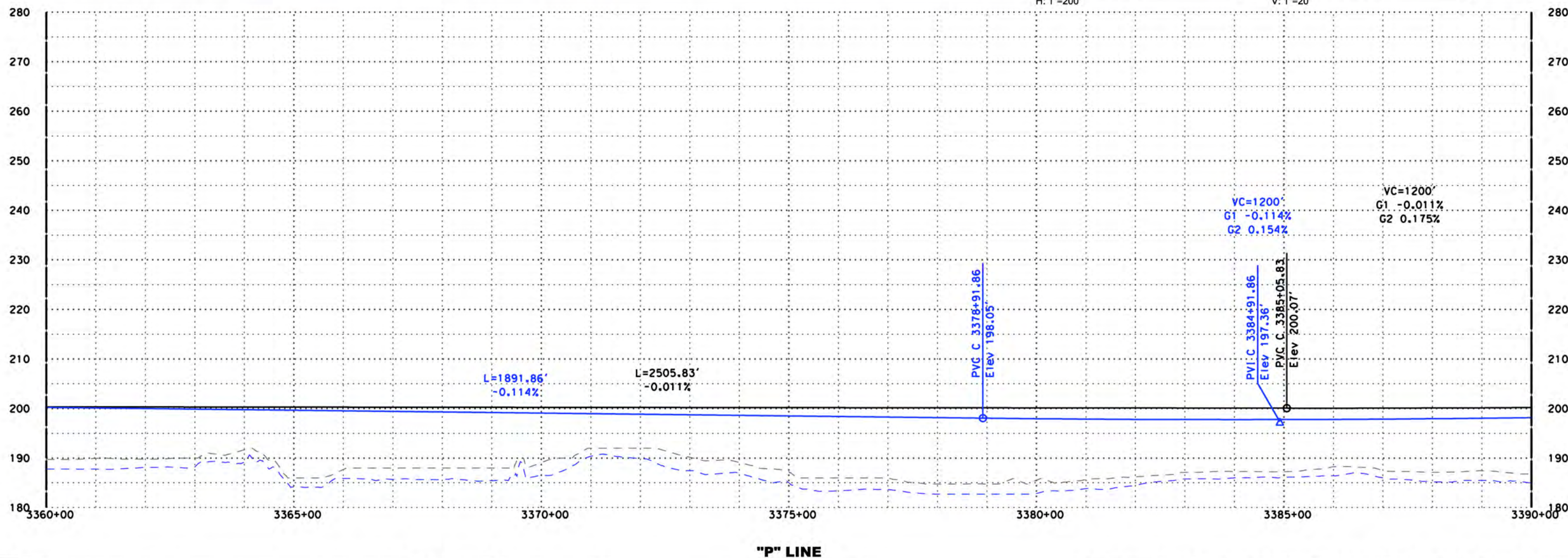
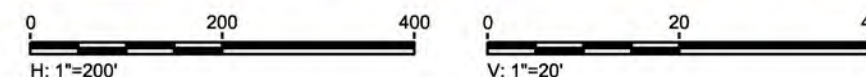
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT P

PLAN AND PROFILE
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CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1097
 SCALE
 AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



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 R. Trevett
 DATE
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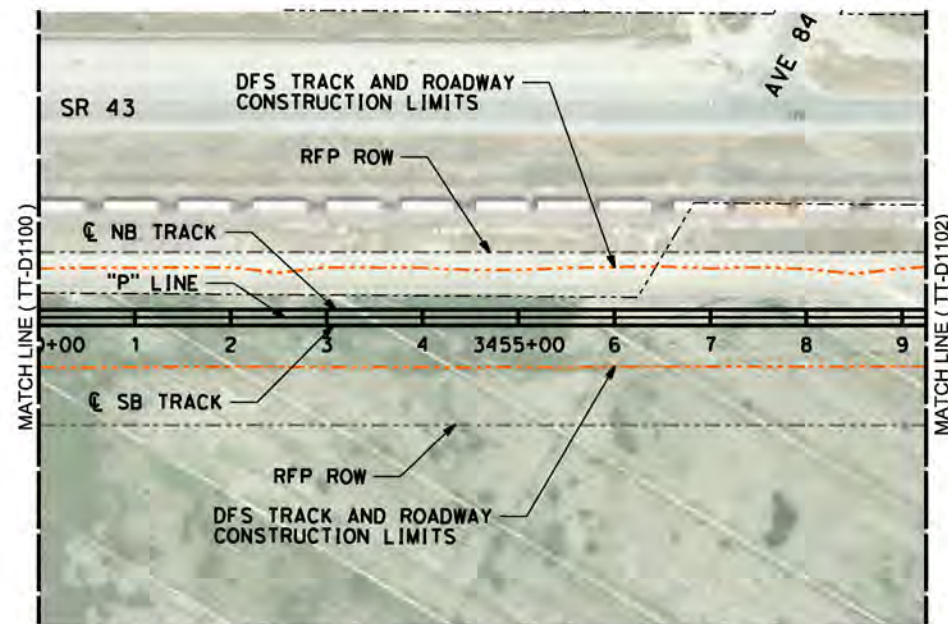


CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

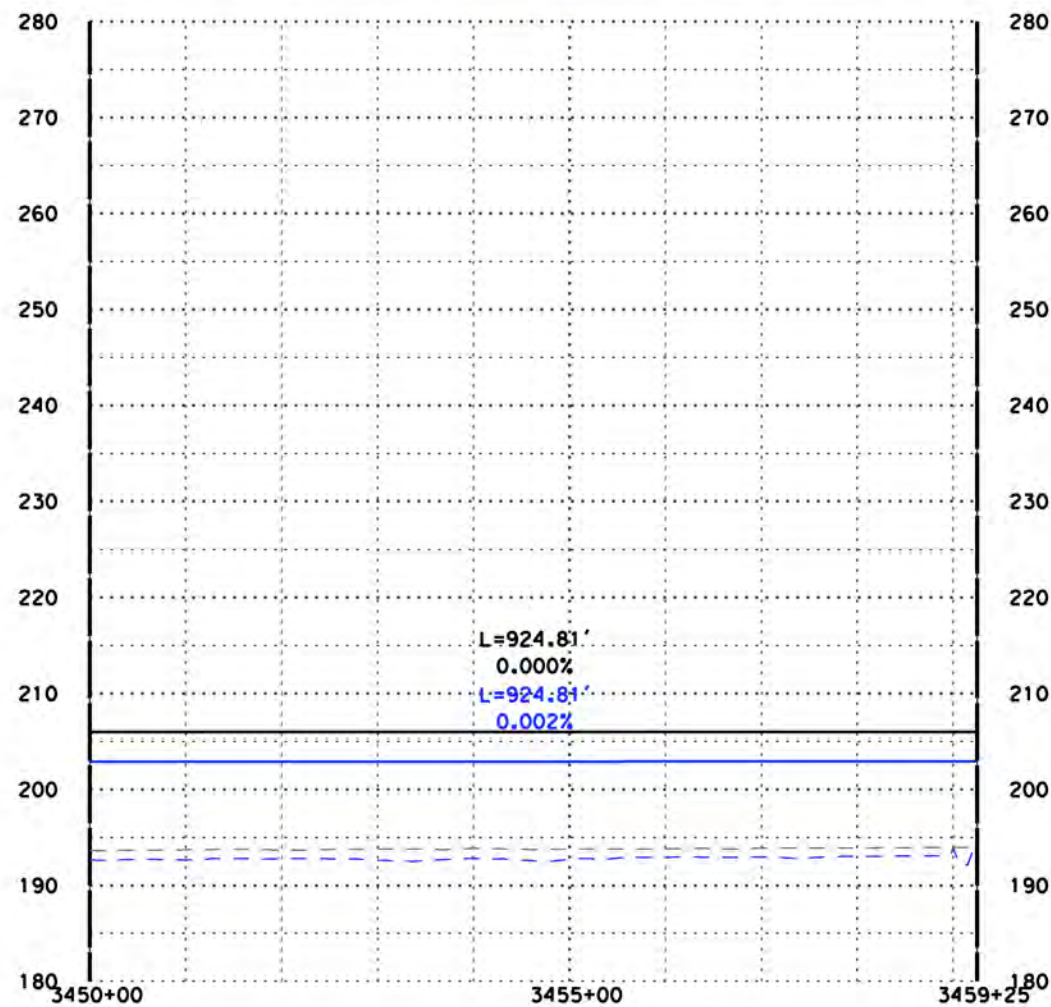
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT P

PLAN AND PROFILE
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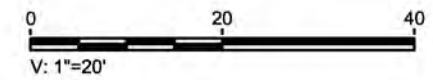
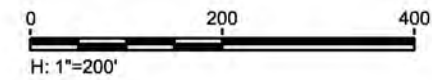
CONTRACT NO.
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 DRAWING NO.
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 SCALE
 AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



"P" LINE



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P. Borney
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
10/15/14

RECORD SET 15%
DESIGN SUBMISSION

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CONSTRUCTION



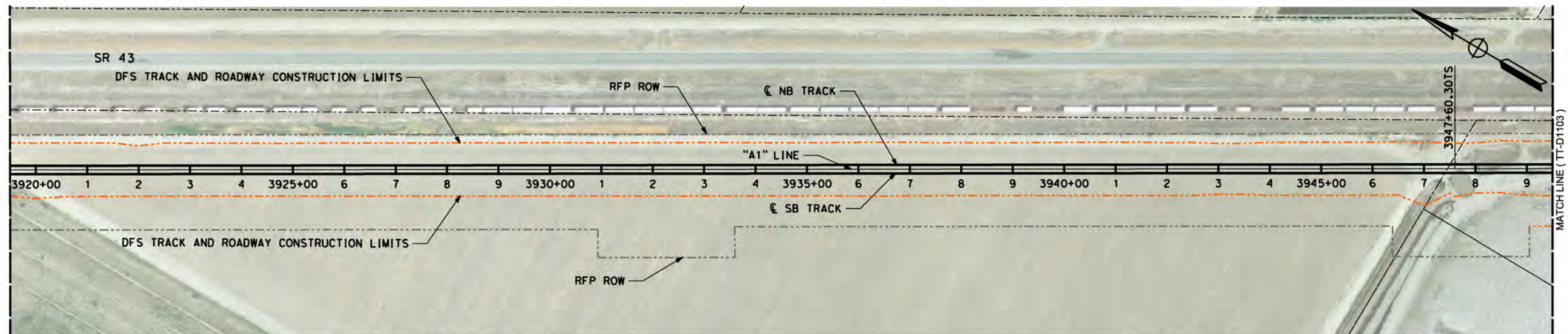
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT P

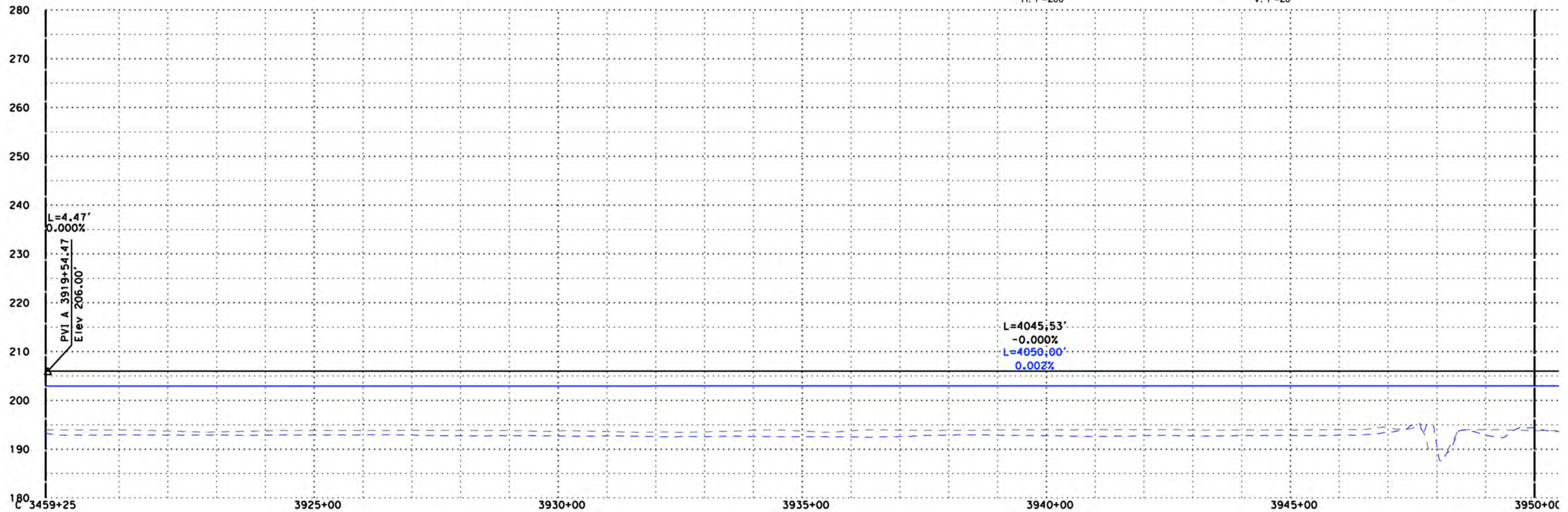
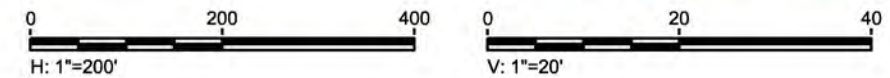
PLAN AND PROFILE
P 3450+00.00 TO P 3459+24.81

CONTRACT NO.
HSR 06-0003
DRAWING NO.
D1101
SCALE
AS SHOWN
SHEET NO.

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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



"A1" LINE

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P. Borney
DRAWN BY
Z. Rookhuyzen
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IN CHARGE
R. Trevett
DATE
10/15/14

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DESIGN SUBMISSION

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CONSTRUCTION

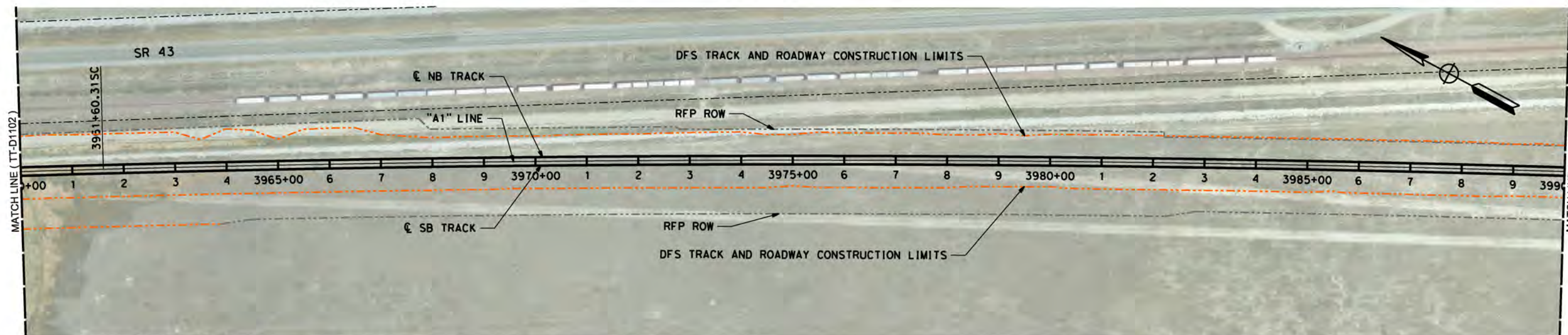


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

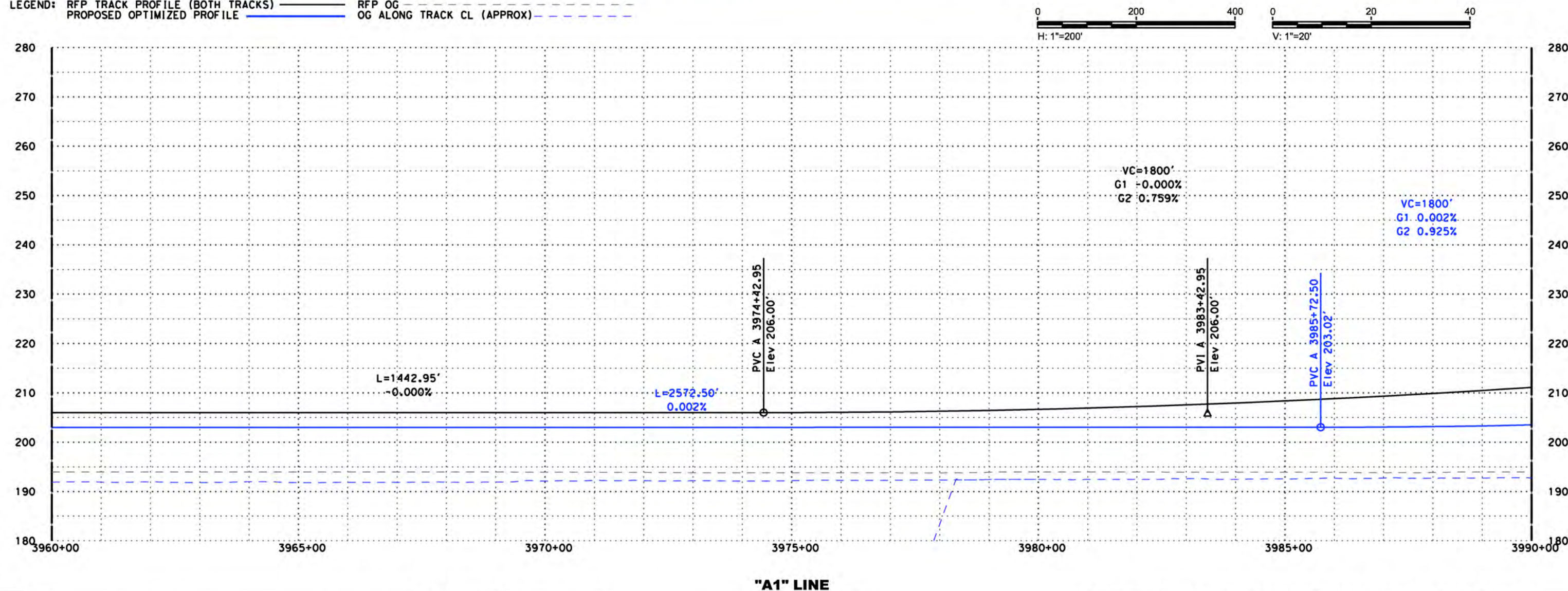
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT A1

PLAN AND PROFILE
A1 3459+24.81 TO A1 3960+00.00

CONTRACT NO.
HSR 06-0003
DRAWING NO.
D1102
SCALE
AS SHOWN
SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



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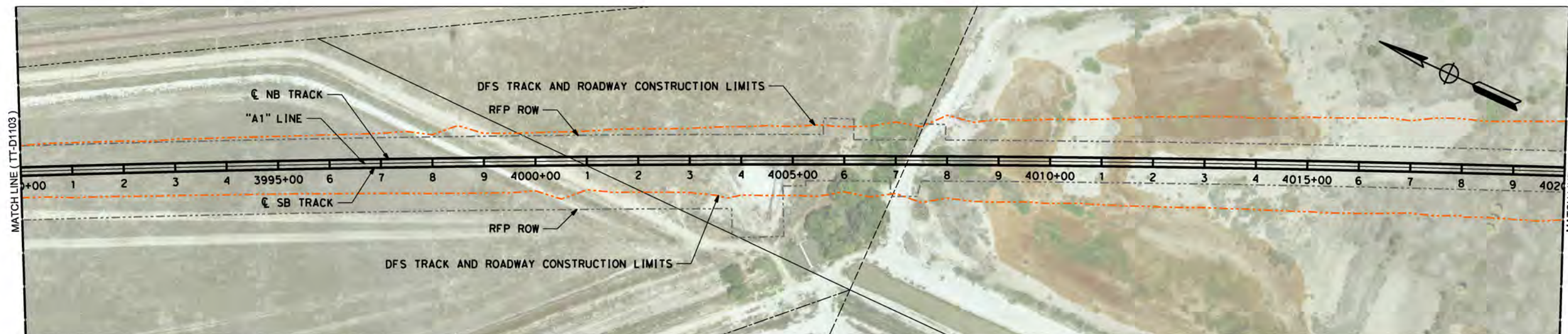


CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

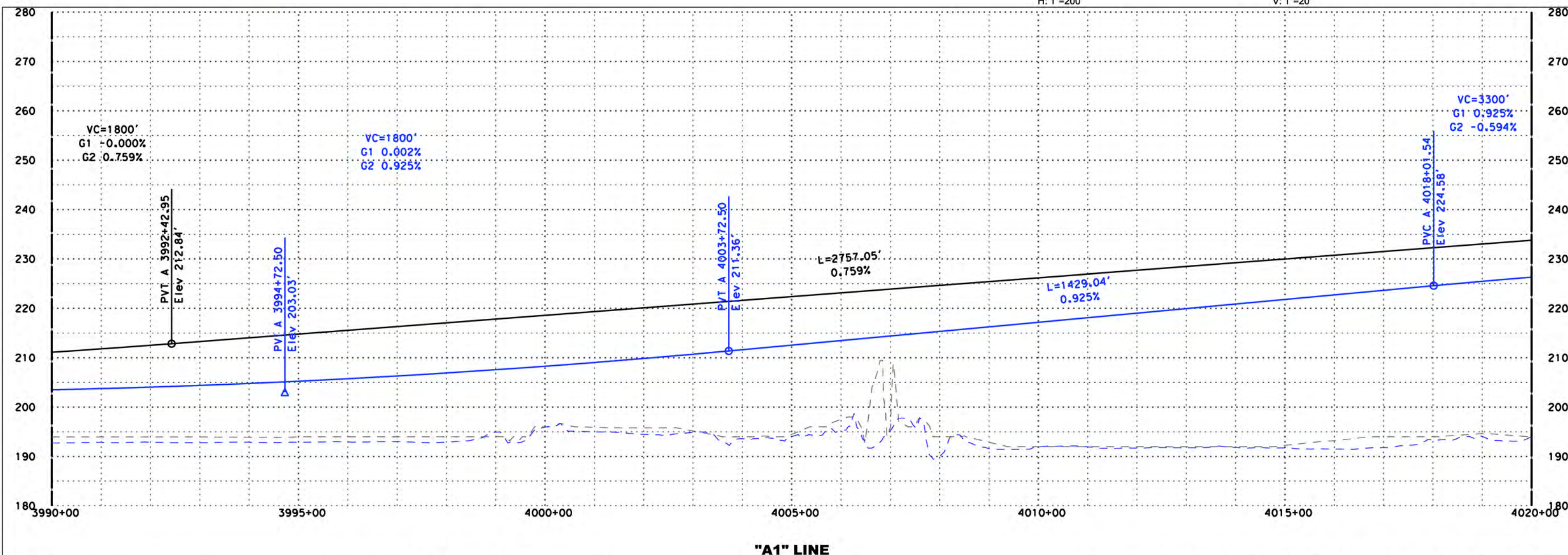
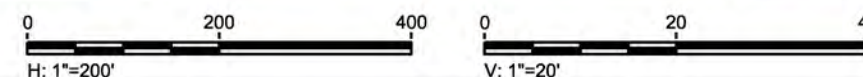
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT A1

PLAN AND PROFILE
 A1 3960+00.00 TO A1 3990+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1103
 SCALE
 AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



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 P. Borney
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 E. Karam
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 R. Trevett
 DATE
 10/15/14

RECORD SET 15%
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 NOT FOR
 CONSTRUCTION

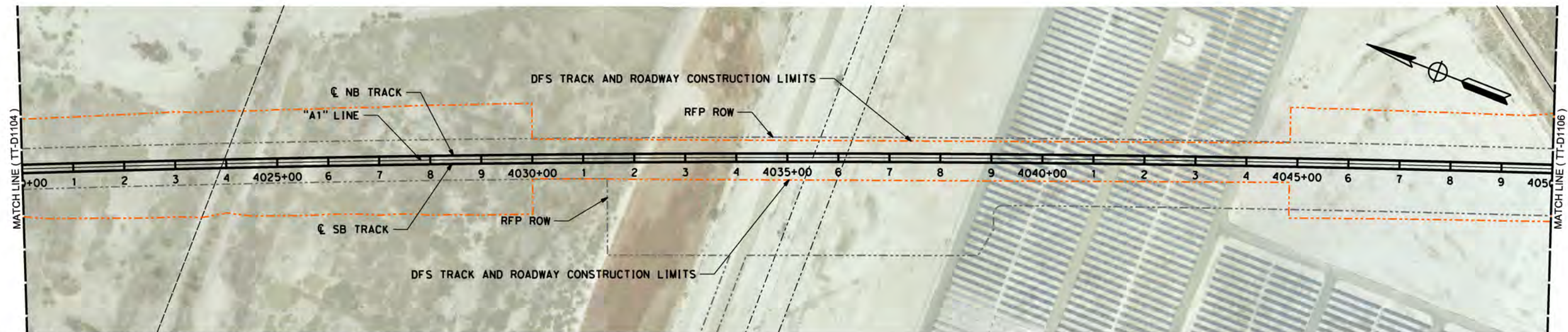


CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

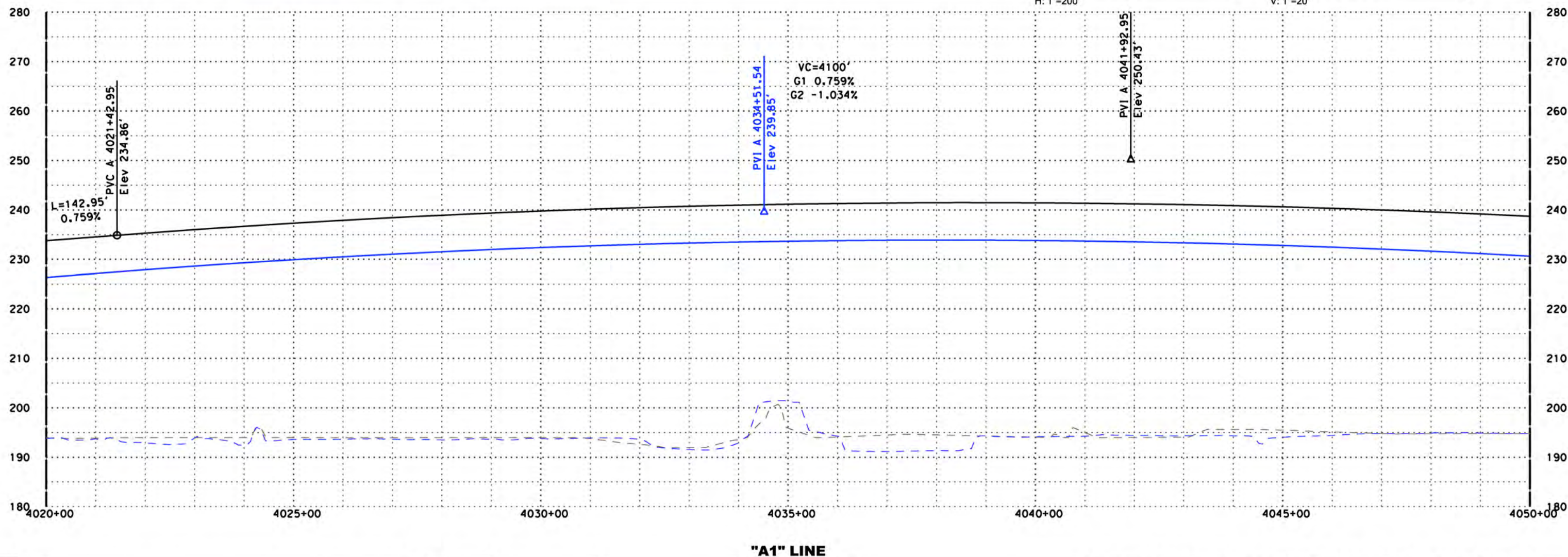
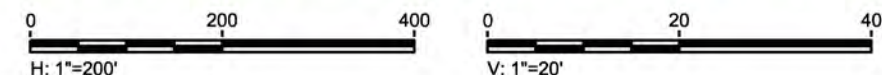
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT A1

PLAN AND PROFILE
 A1 3990+00.00 TO A1 4020+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1104
 SCALE
 AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



DISCLAIMER:
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DESIGNED BY
 P. Borney
 DRAWN BY
 Z. Rookhuyzen
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 10/15/14

RECORD SET 15%
 DESIGN SUBMISSION
 NOT FOR
 CONSTRUCTION

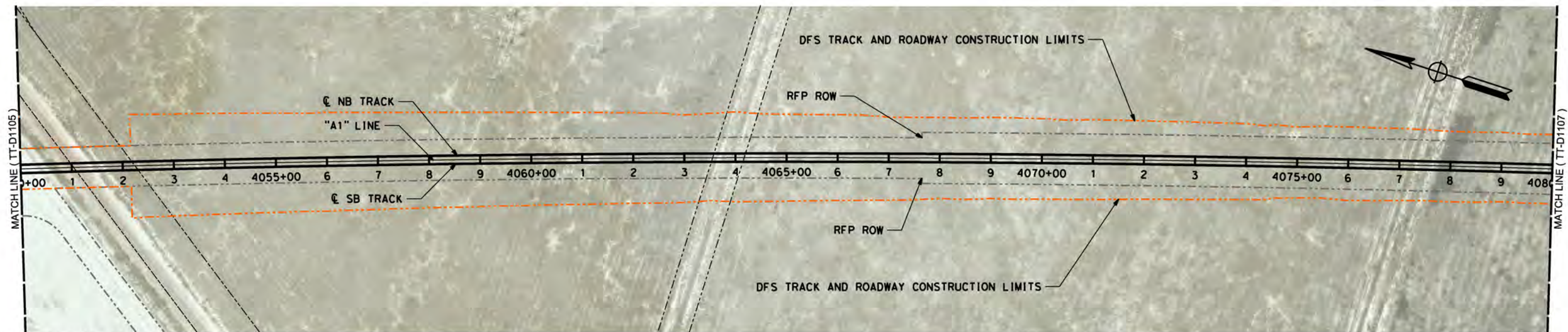


CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

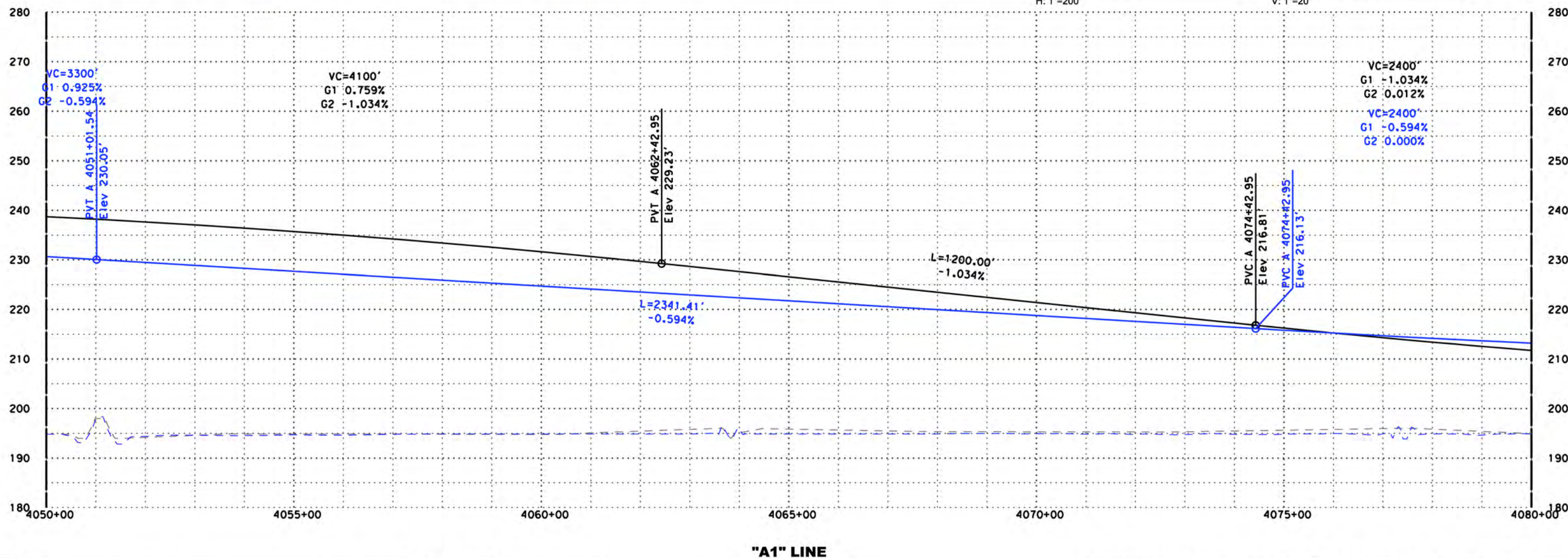
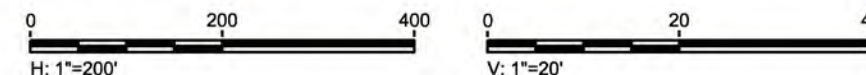
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT A1

PLAN AND PROFILE
 A1 4020+00.00 TO A1 4050+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1105
 SCALE
 AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



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DESIGNED BY
 P. Borney
 DRAWN BY
 Z. Rookhuyzen
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 10/15/14

RECORD SET 15%
 DESIGN SUBMISSION
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 CONSTRUCTION



CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

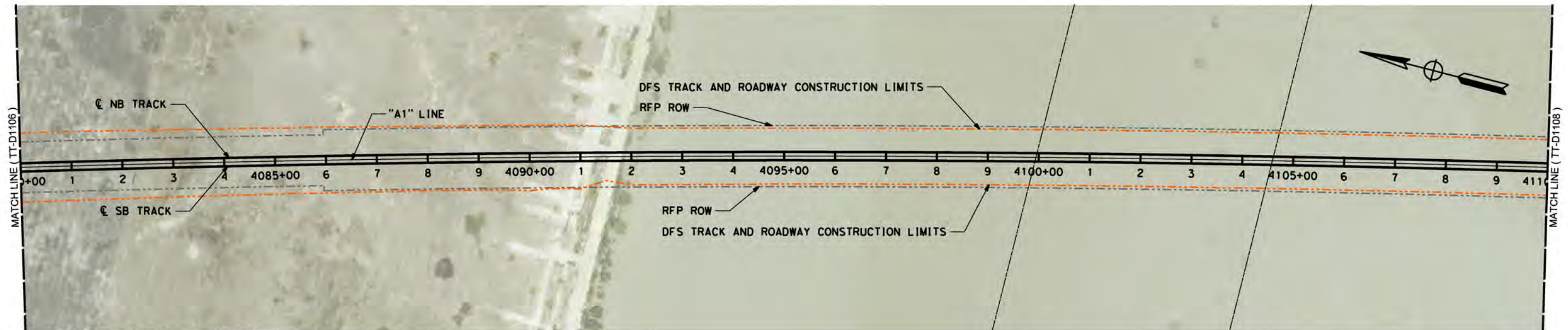
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT A1

PLAN AND PROFILE
 A1 4050+00.00 TO A1 4080+00.00

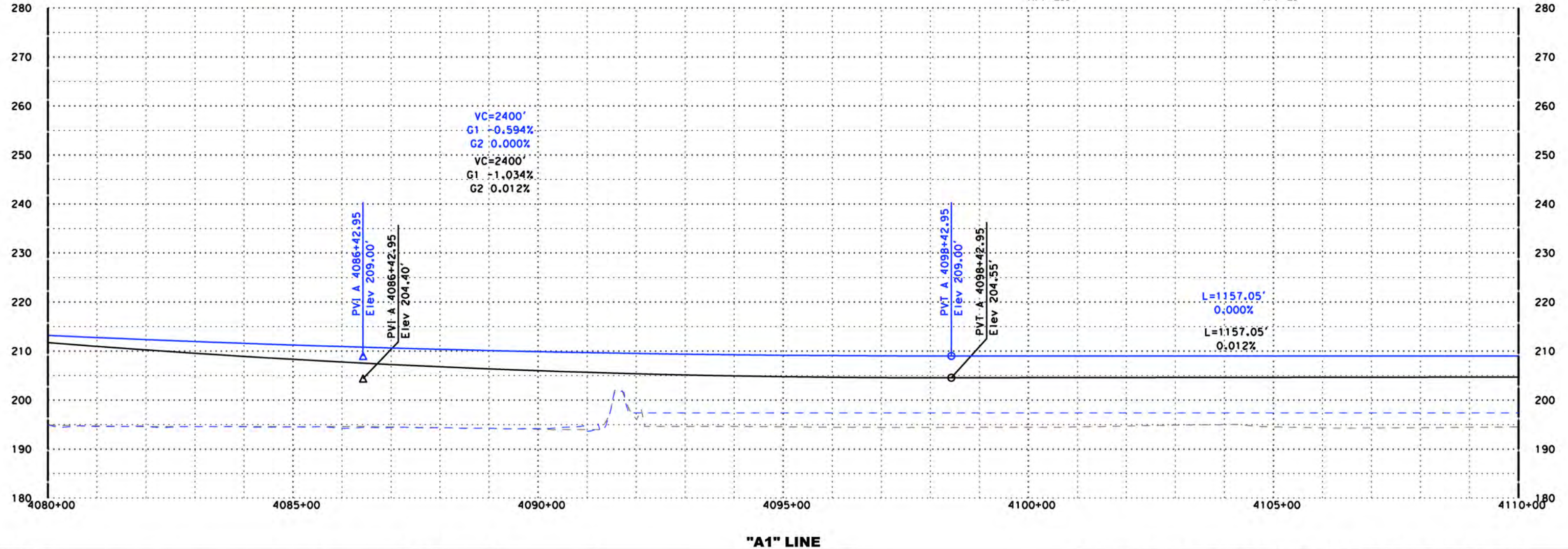
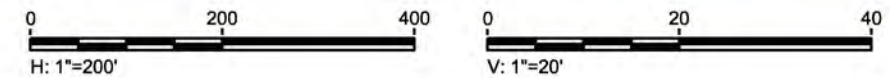
CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1106
 SCALE
 AS SHOWN
 SHEET NO.

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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - -



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DESIGNED BY
P. Borney
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
10/15/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

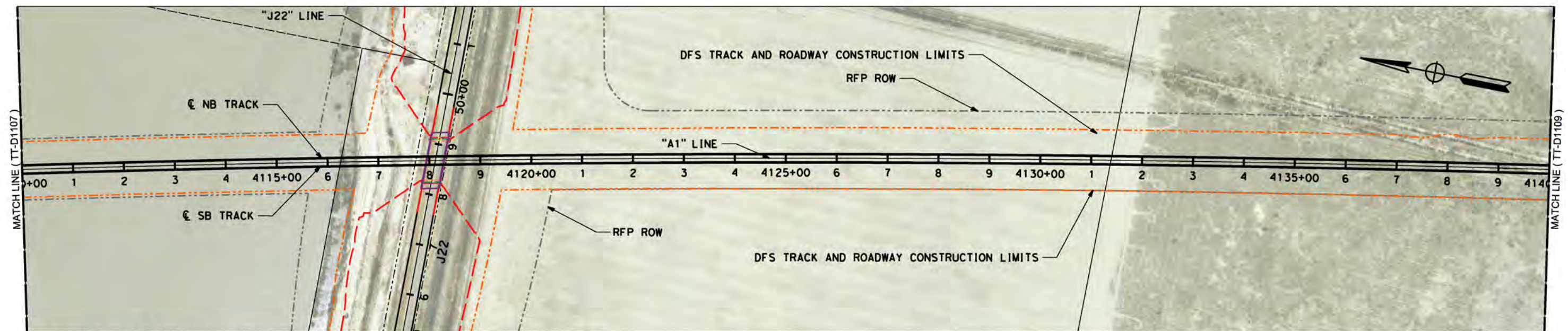


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

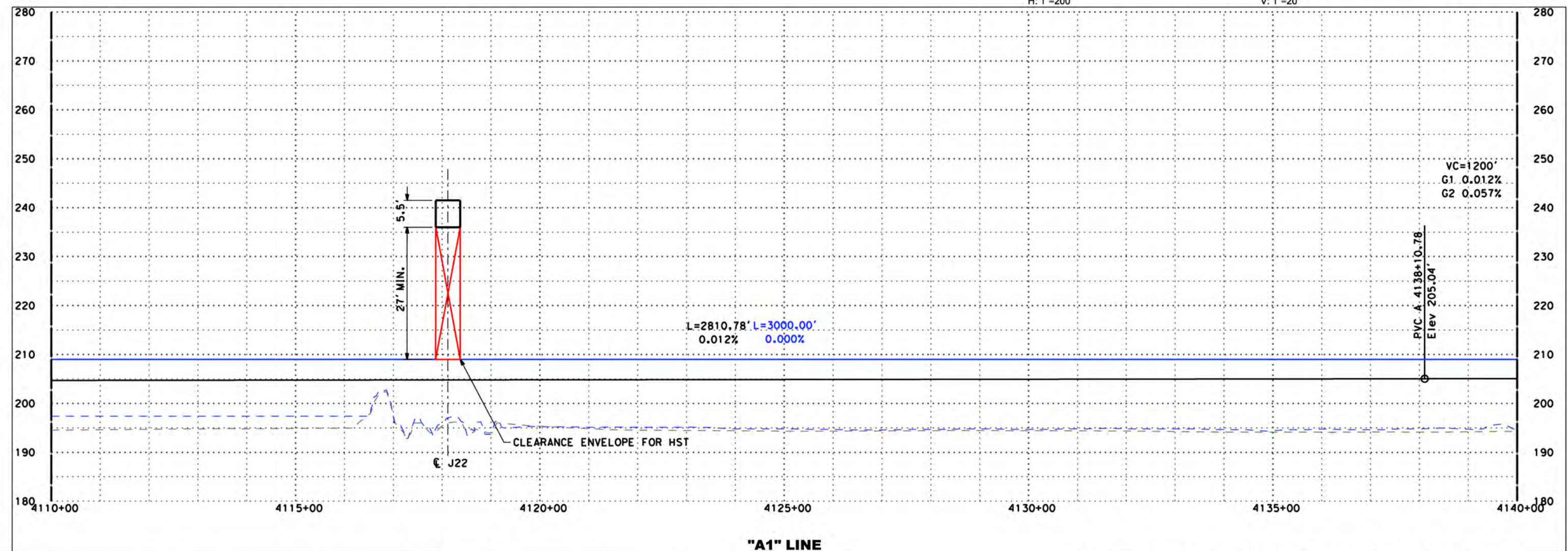
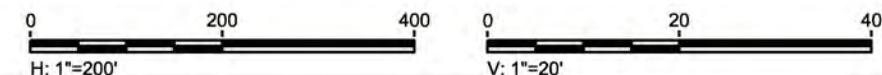
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT A1

PLAN AND PROFILE
A1 4080+00.00 TO A1 4110+00.00

CONTRACT NO.
HSR 06-0003
DRAWING NO.
D1107
SCALE
AS SHOWN
SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



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DESIGNED BY P. Barney
DRAWN BY Z. Rookhuyzen
CHECKED BY E. Karam
IN CHARGE R. Trevett
DATE 10/15/14

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

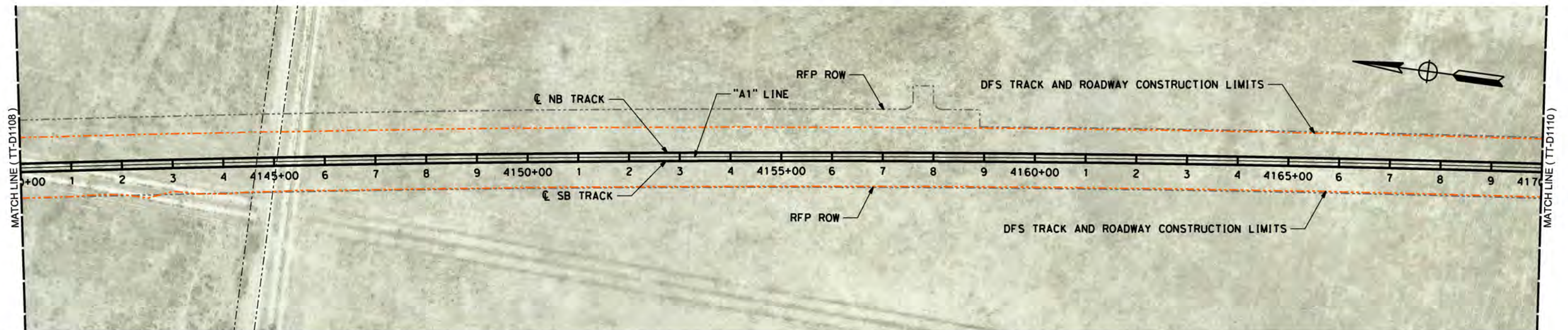


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT A1**

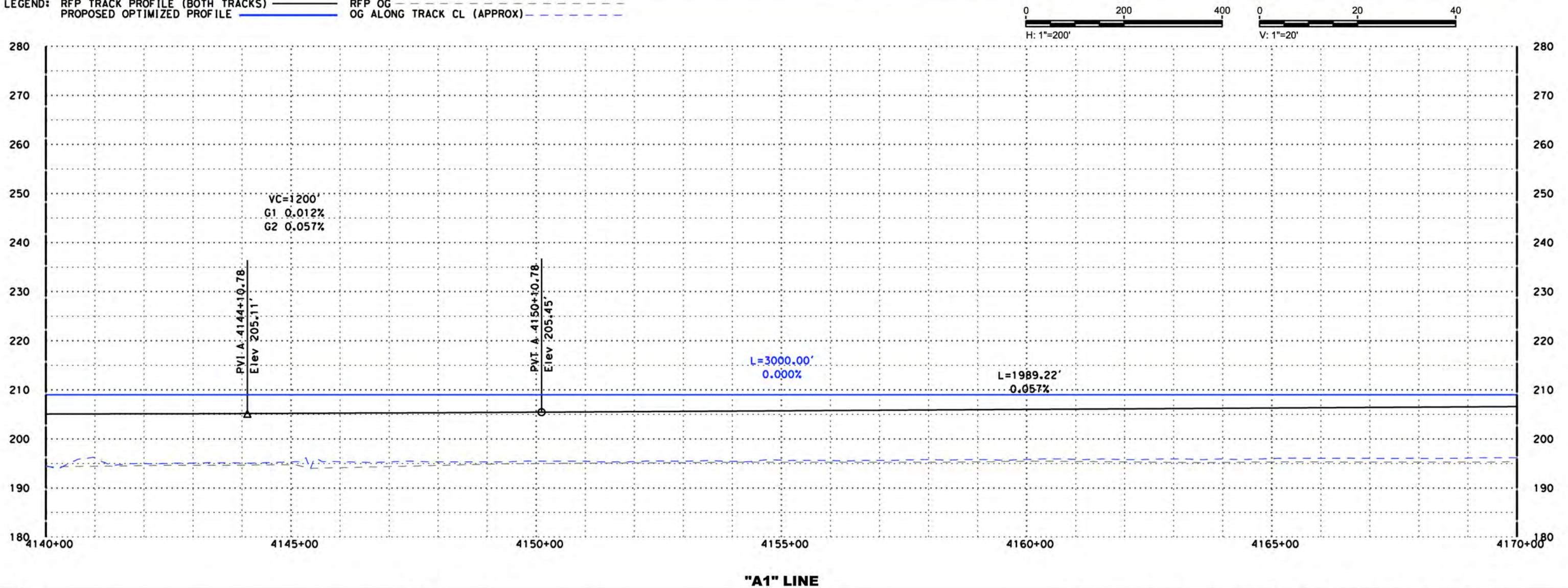
PLAN AND PROFILE
A1 4110+00.00 TO A1 4140+00.00

CONTRACT NO.	HSR 06-0003
DRAWING NO.	D1108
SCALE	AS SHOWN
SHEET NO.	

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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



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DESIGNED BY
P. Borney
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
10/15/14

RECORD SET 15%
DESIGN SUBMISSION

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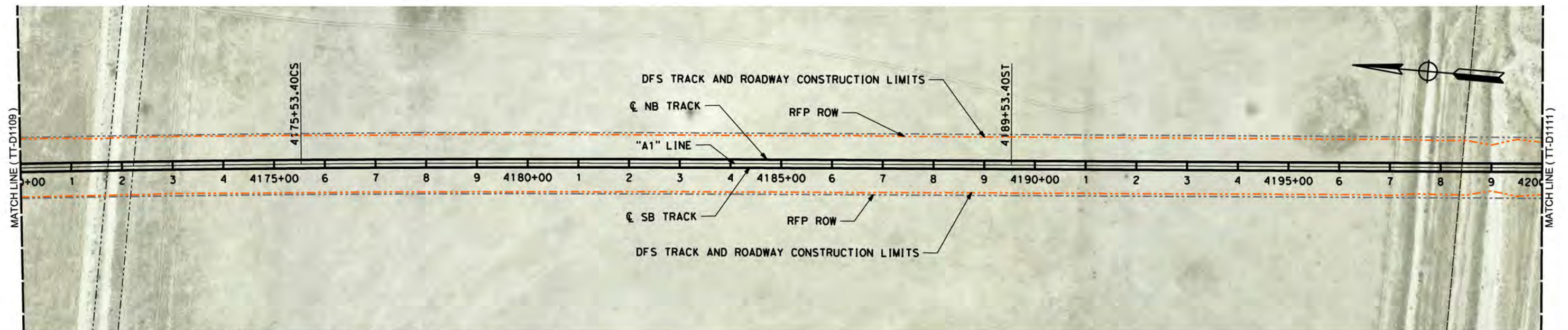
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT A1

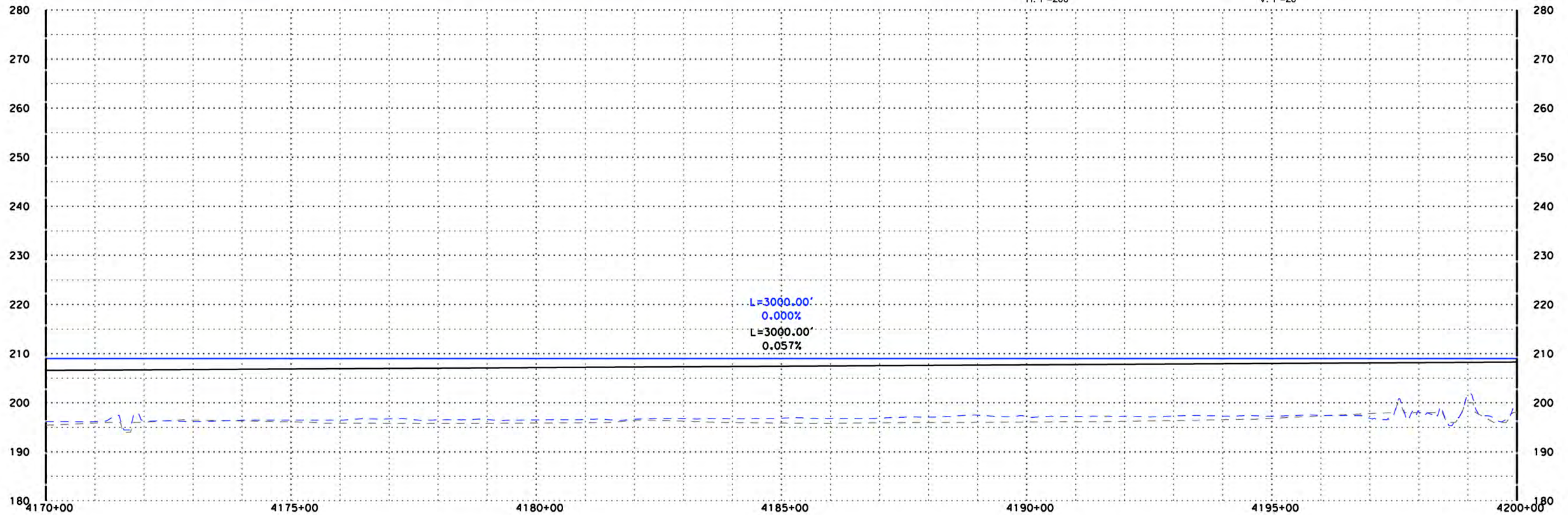
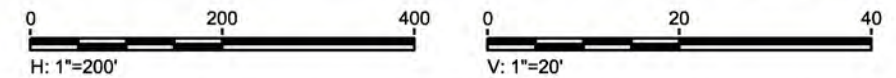
PLAN AND PROFILE
A1 4140+00.00 TO A1 4170+00.00

CONTRACT NO.
HSR 06-0003
DRAWING NO.
D1109
SCALE
AS SHOWN
SHEET NO.

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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



"A1" LINE

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DESIGNED BY
P. Borney
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
10/15/14

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DESIGN SUBMISSION

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CONSTRUCTION

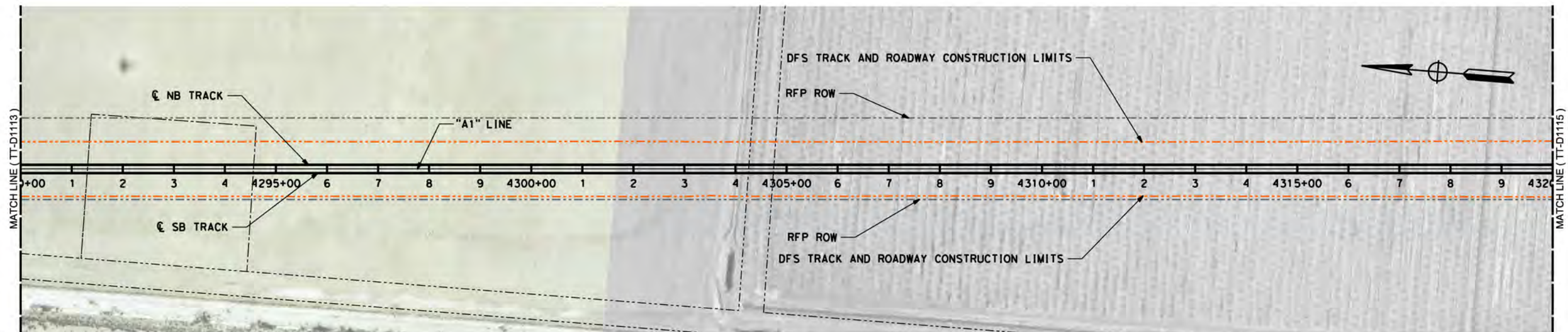


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

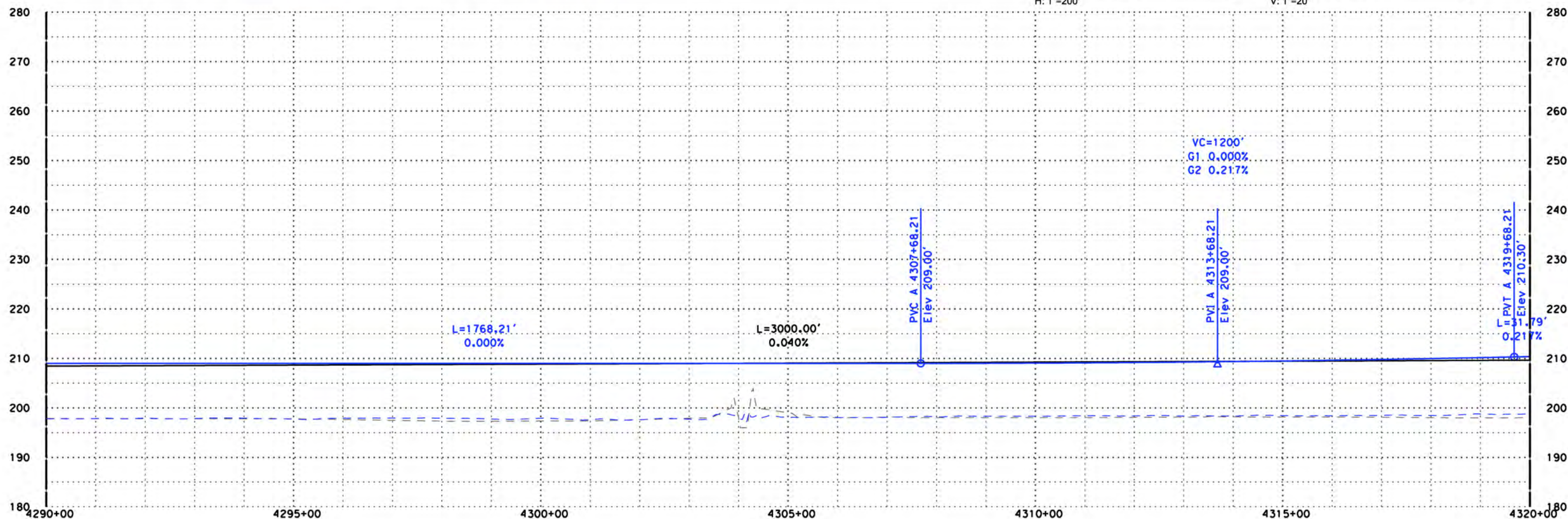
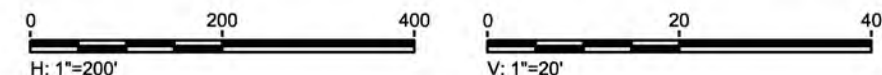
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT A1

PLAN AND PROFILE
A1 4170+00.00 TO A1 4200+00.00

CONTRACT NO.
HSR 06-0003
DRAWING NO.
D1110
SCALE
AS SHOWN
SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



"A1" LINE

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DESIGNED BY
 P. Borney
 DRAWN BY
 Z. Rookhuyzen
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 10/15/14

RECORD SET 15%
 DESIGN SUBMISSION
 NOT FOR
 CONSTRUCTION

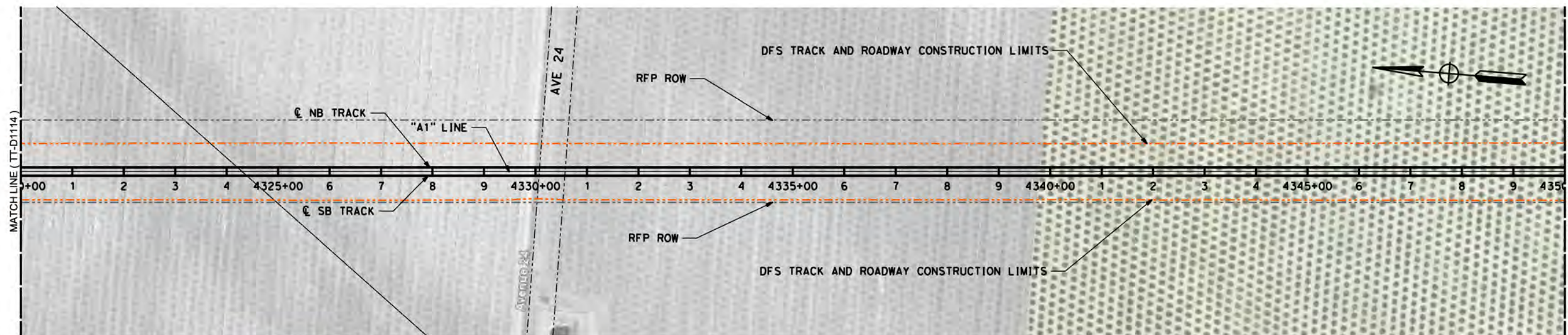


CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

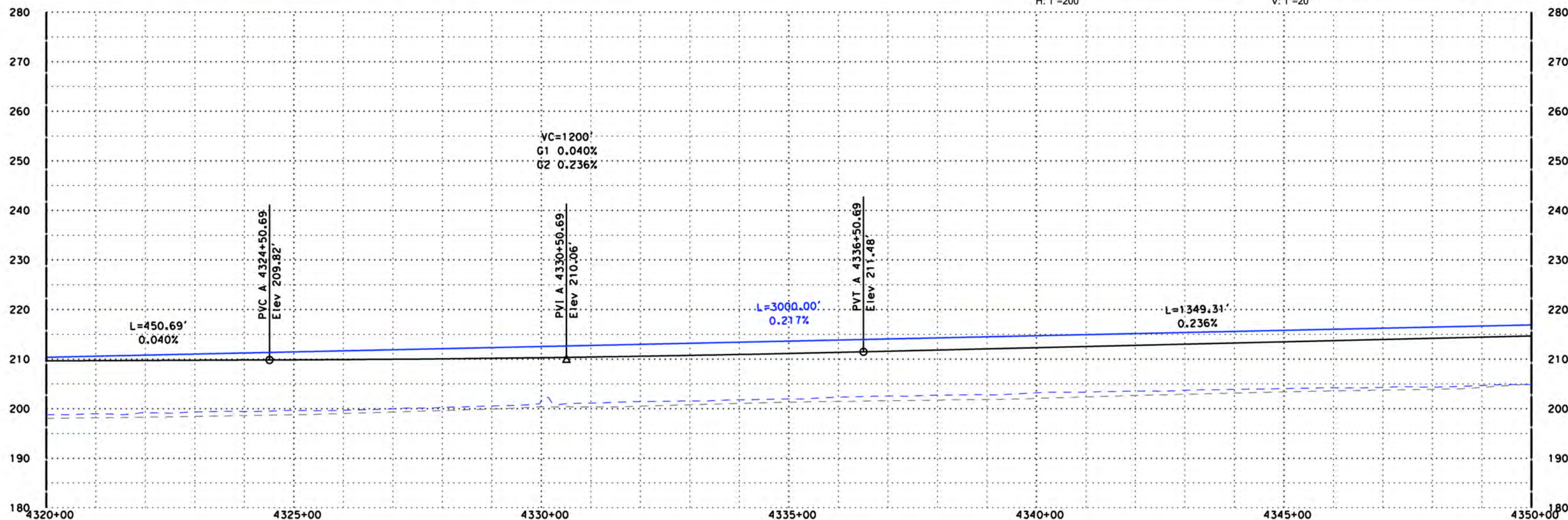
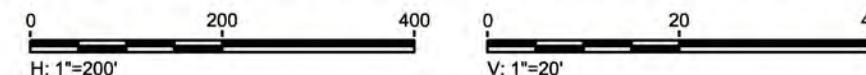
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT A1

PLAN AND PROFILE
 A1 4290+00.00 TO A1 4320+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1114
 SCALE
 AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



"A1" LINE

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DESIGNED BY
 P. Borney
 DRAWN BY
 Z. Rookhuyzen
 CHECKED BY
 E. Karam
 IN CHARGE
 R. Trevett
 DATE
 10/15/14

RECORD SET 15%
 DESIGN SUBMISSION
 NOT FOR
 CONSTRUCTION

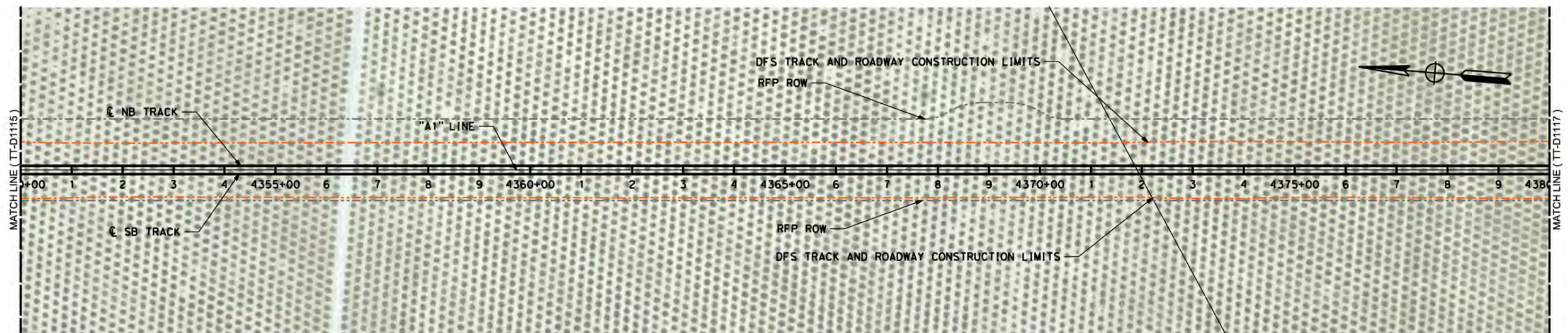


CALIFORNIA
 HIGH-SPEED RAIL AUTHORITY

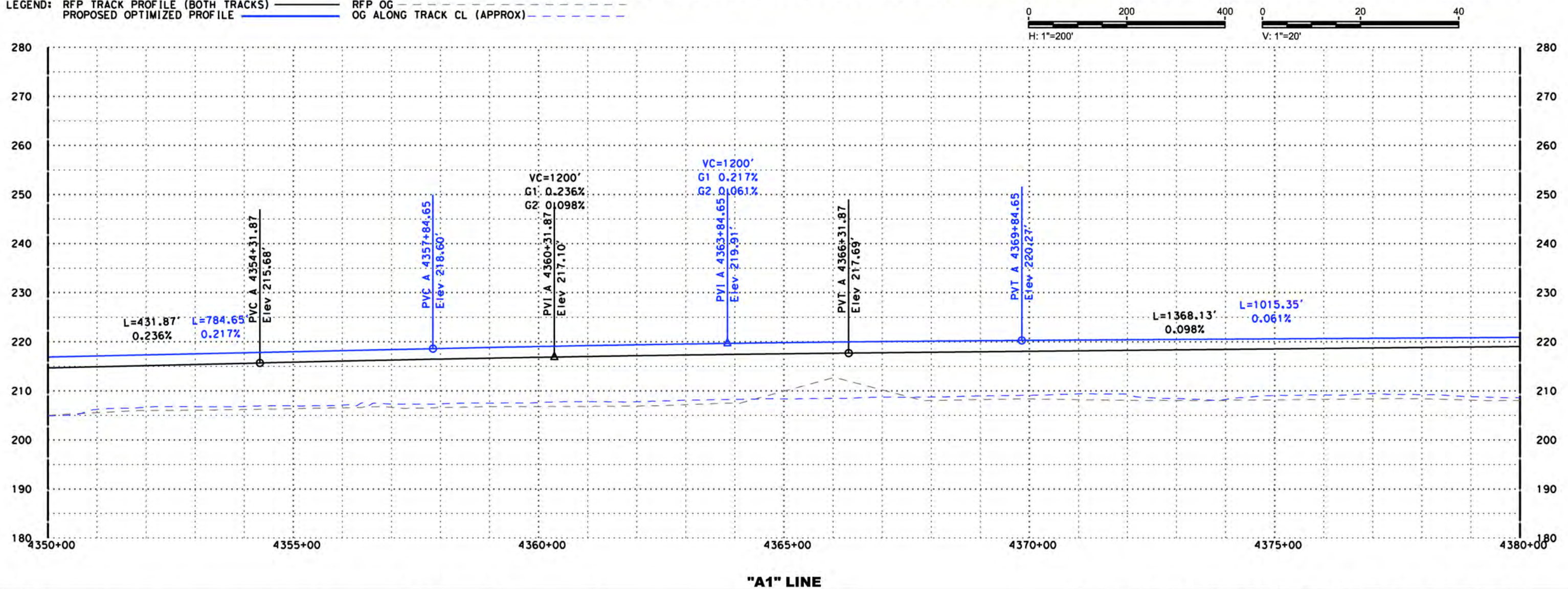
CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 ALIGNMENT A1

PLAN AND PROFILE
 A1 4320+00.00 TO A1 4350+00.00

CONTRACT NO.
 HSR 06-0003
 DRAWING NO.
 D1115
 SCALE
 AS SHOWN
 SHEET NO.



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



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DESIGNED BY	P. Barney
DRAWN BY	Z. Rookhuyzen
CHECKED BY	E. Karam
IN CHARGE	R. Trevett
DATE	10/15/14

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

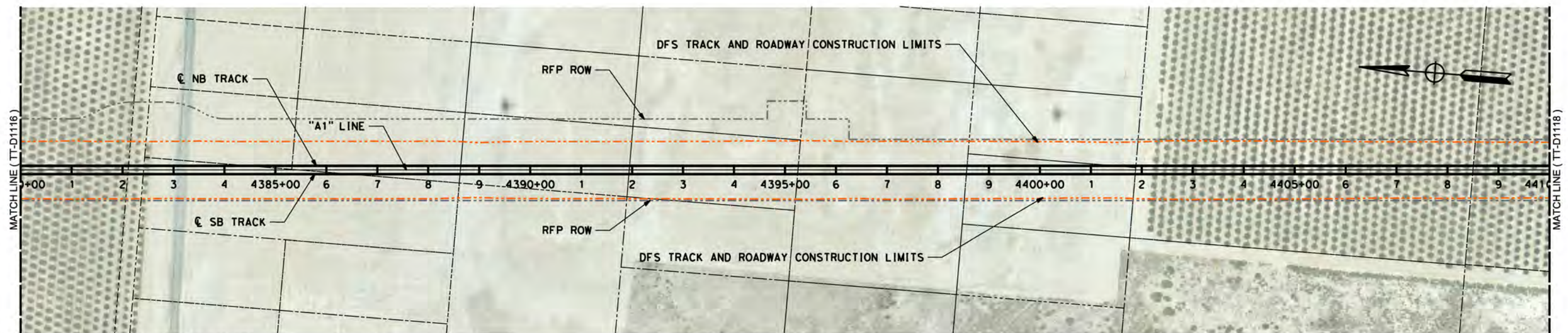


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

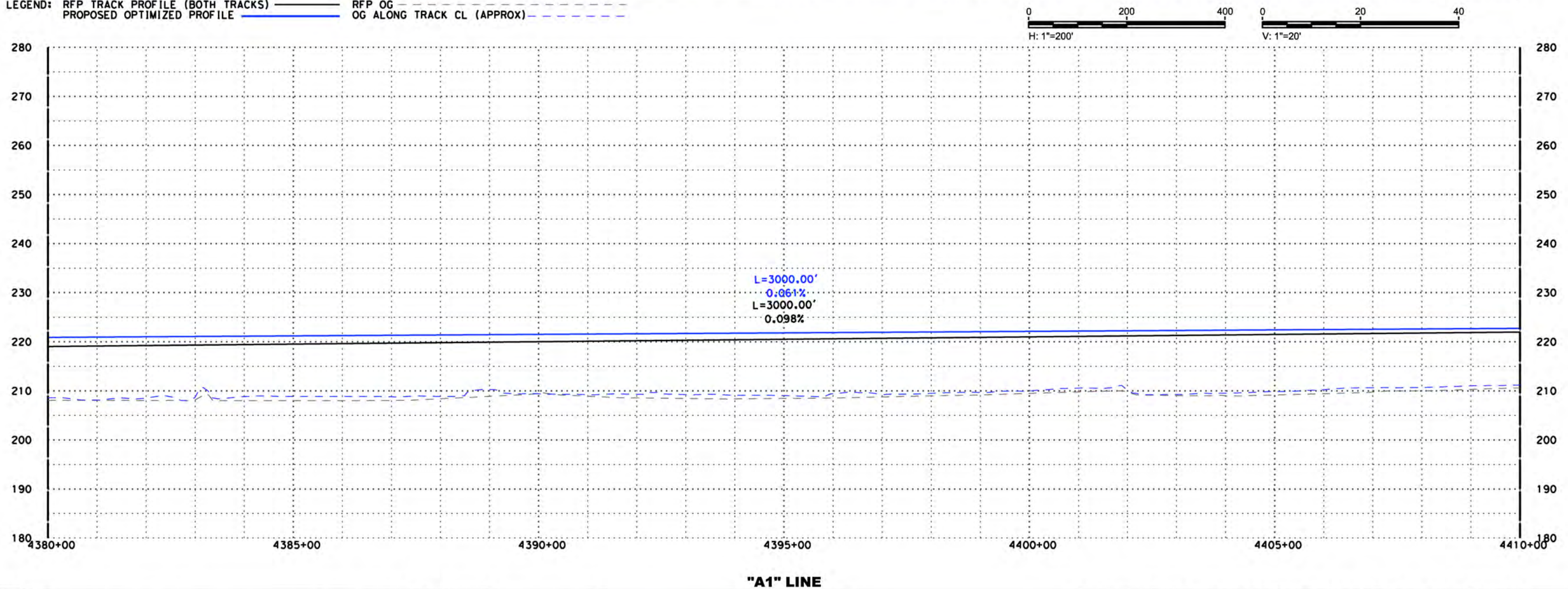
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT A1**

PLAN AND PROFILE
A1 4350+00.00 TO A1 4380+00.00

CONTRACT NO.	HSR 06-0003
DRAWING NO.	D1116
SCALE	AS SHOWN
SHEET NO.	



LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
 PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) ———



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DESIGN SUBMISSION**

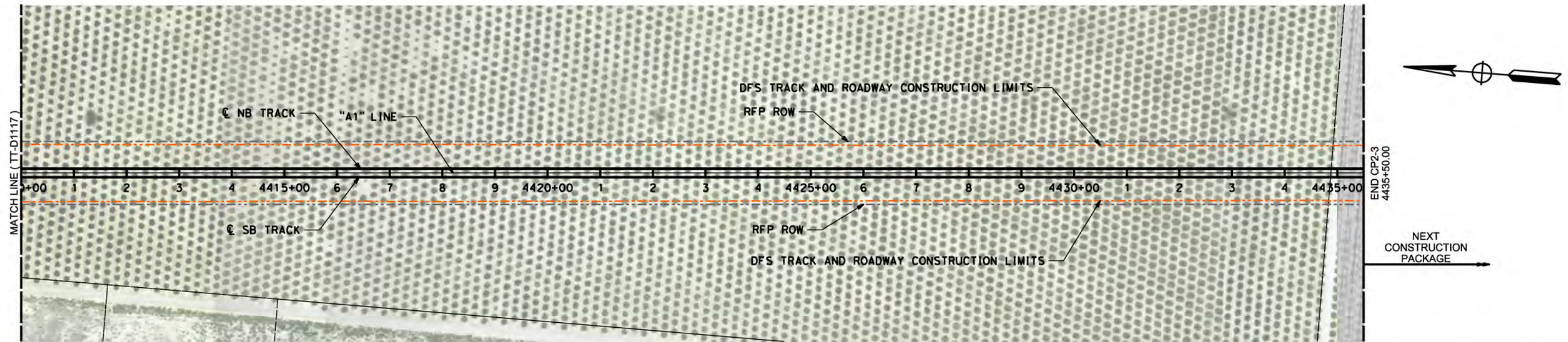
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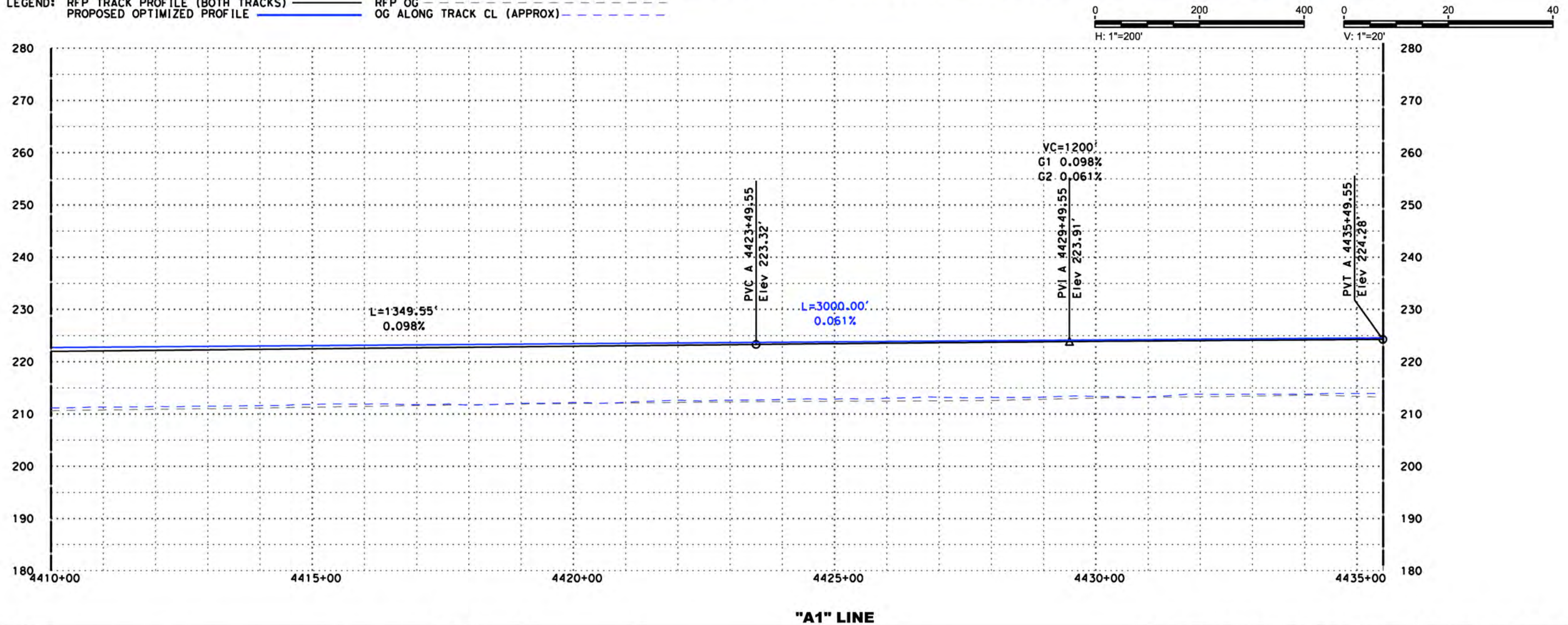
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT A1**

PLAN AND PROFILE
A1 4380+00.00 TO A1 4410+00.00

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LEGEND: RFP TRACK PROFILE (BOTH TRACKS) ——— RFP OG ———
PROPOSED OPTIMIZED PROFILE ——— OG ALONG TRACK CL (APPROX) - - - - -



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DESIGNED BY
P. Borney
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
10/15/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION



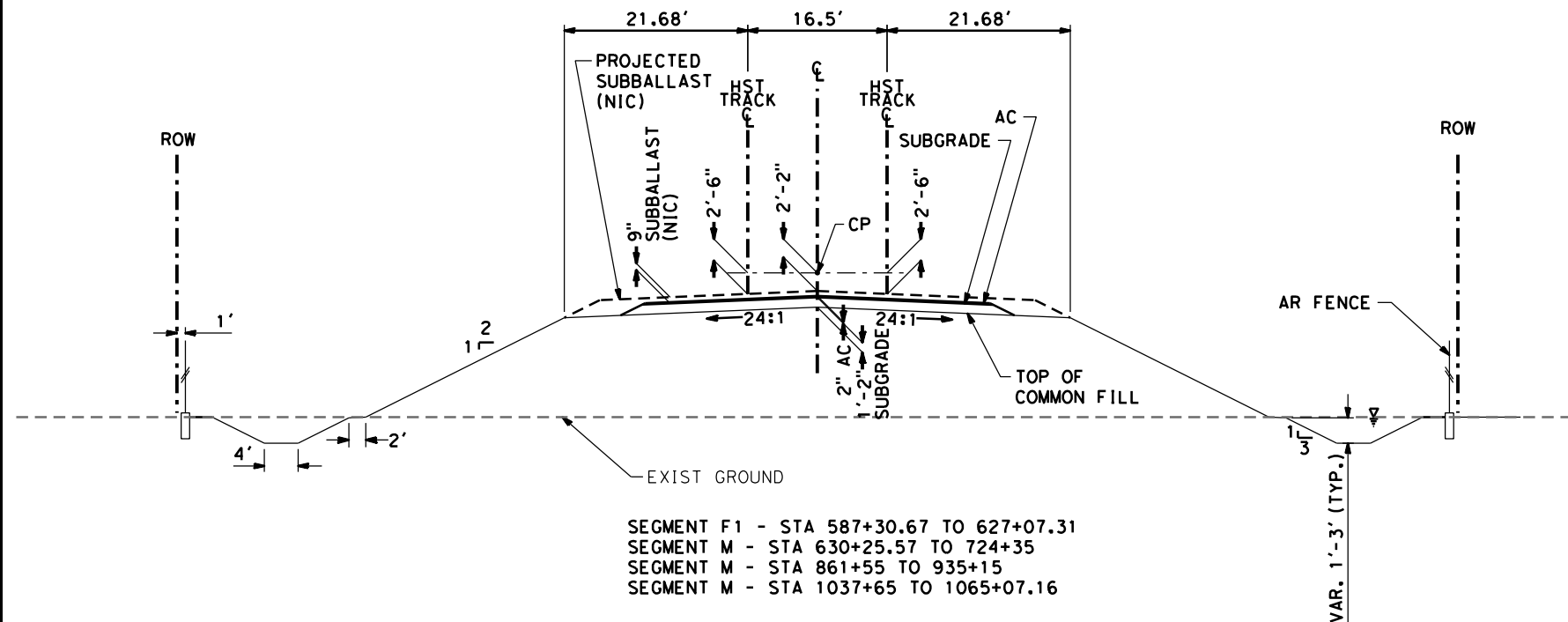
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALIGNMENT A1

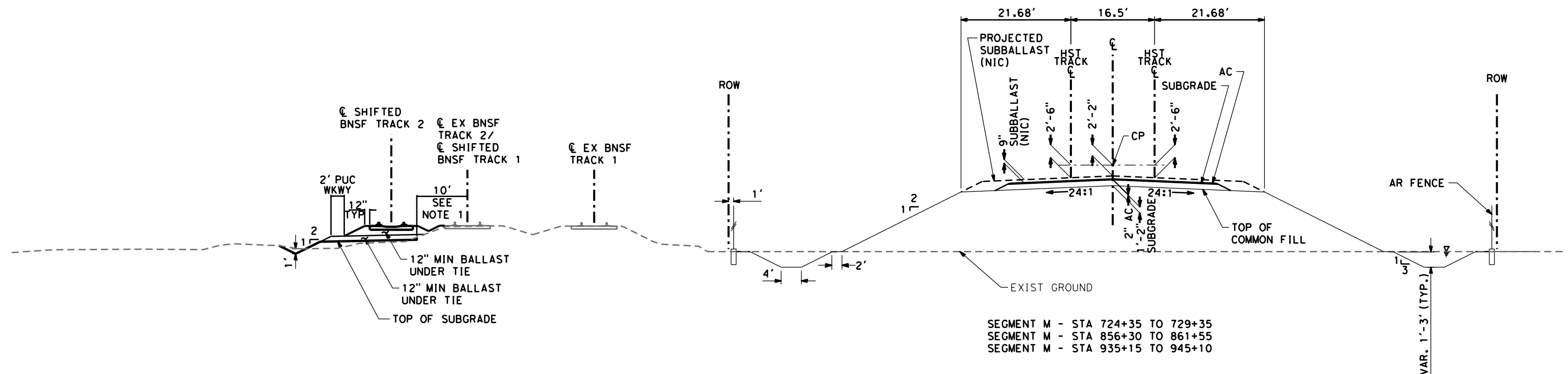
PLAN AND PROFILE
A1 4410+00.00 TO A1 4435+50.00

CONTRACT NO.
HSR 06-0003
DRAWING NO.
D1118
SCALE
AS SHOWN
SHEET NO.

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- NOTES:
1. EXISTING BNSF TRACKS TO BE SHIFTED/REALIGNED UP TO 10', MATCH/EXTEND EXISTING SUBBALLAST TO CONSTRUCT SHIFTED TRACK.
 2. EXISTING BNSF TRACK EMBANKMENT REMOVAL TO INCLUDE BALLAST, SUBBALLAST AND 12" BELOW SUBBALLAST. EXISTING BNSF EMBANKMENT IS CONSIDERED CONTAMINATED SOIL.
 3. WHERE OCCURS, EXTEND 2% SUBBALLAST LAYER FOR ADDITIONAL SIDING/INDUSTRY TRACKS. T/R PROFILE FOR ADDITIONAL TRACKS IS LOWER THAN ADJACENT MAIN TRACK TO MAINTAIN 12" MIN BALLAST DEPTH UNDER TIE.



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DESIGNED BY
M. LOPEZ-DUBOIS
DRAWN BY
B. KIDD
CHECKED BY
E. Karam
IN CHARGE
R. Treve
DATE
07/02/14

RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION

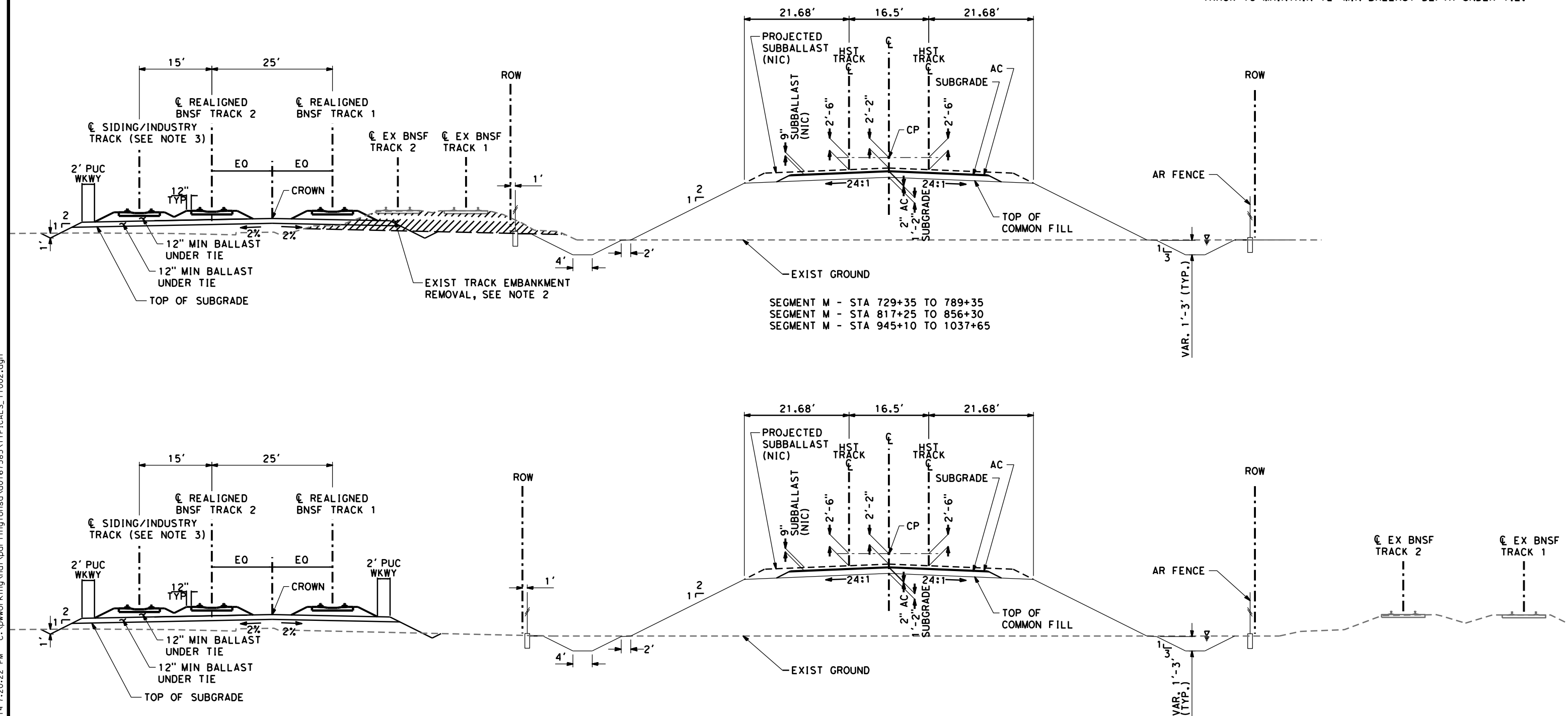


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT M
TYPICAL SECTIONS

CONTRACT NO.
HST 06-0003
DRAWING NO.
T1001
SCALE
AS SHOWN
SHEET NO.

- NOTES:
1. EXISTING BNSF TRACKS TO BE SHIFTED/REALIGNED UP TO 10', MATCH/EXTEND EXISTING SUBBALLAST TO CONSTRUCT SHIFTED TRACK.
 2. EXISTING BNSF TRACK EMBANKMENT REMOVAL TO INCLUDE BALLAST, SUBBALLAST AND 12" BELOW SUBBALLAST. EXISTING BNSF EMBANKMENT IS CONSIDERED CONTAMINATED SOIL.
 3. WHERE OCCURS, EXTEND 2% SUBBALLAST LAYER FOR ADDITIONAL SIDING/INDUSTRY TRACKS. T/R PROFILE FOR ADDITIONAL TRACKS IS LOWER THAN ADJACENT MAIN TRACK TO MAINTAIN 12" MIN BALLAST DEPTH UNDER TIE.



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DESIGNED BY
 M. LOPEZ-DUBOIS
 DRAWN BY
 B. KIDD
 CHECKED BY
 E. KARAM
 IN CHARGE
 R. TREVE
 DATE
 07/02/14

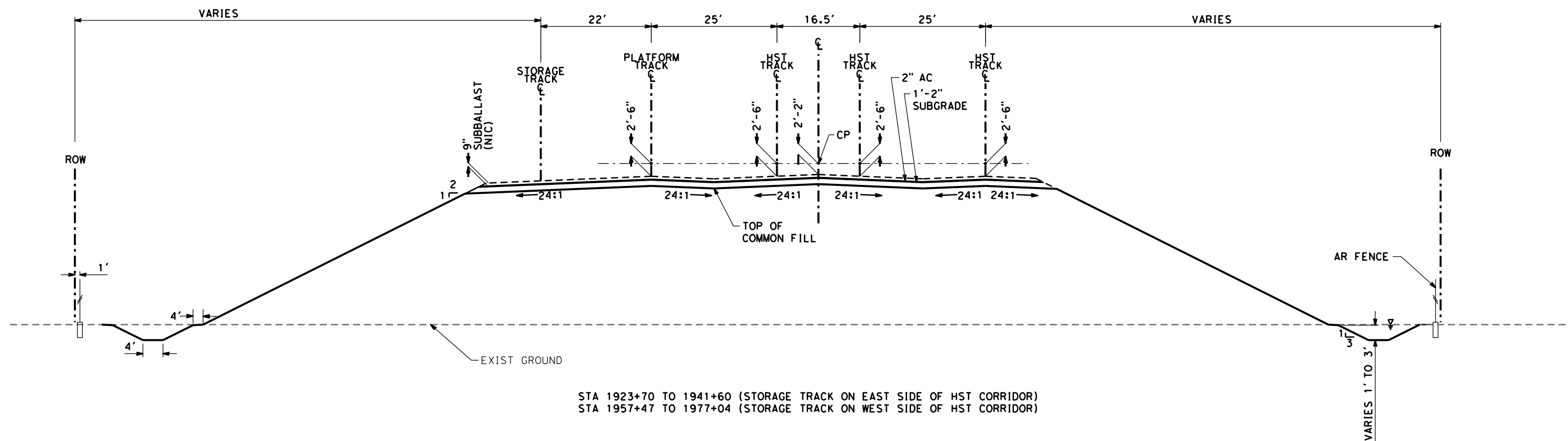
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 DESIGN SUBMISSION**
**NOT FOR
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 HANFORD SUBSECTION
 ALIGNMENT M
 TYPICAL SECTIONS**

CONTRACT NO.
 HST 06-0003
 DRAWING NO.
 T1002
 SCALE
 AS SHOWN
 SHEET NO.

10/13/2014 7:20:22 PM c:\pwworking\ndi\partingtonsa\d0167585\TYPICALS_T1002.dgn



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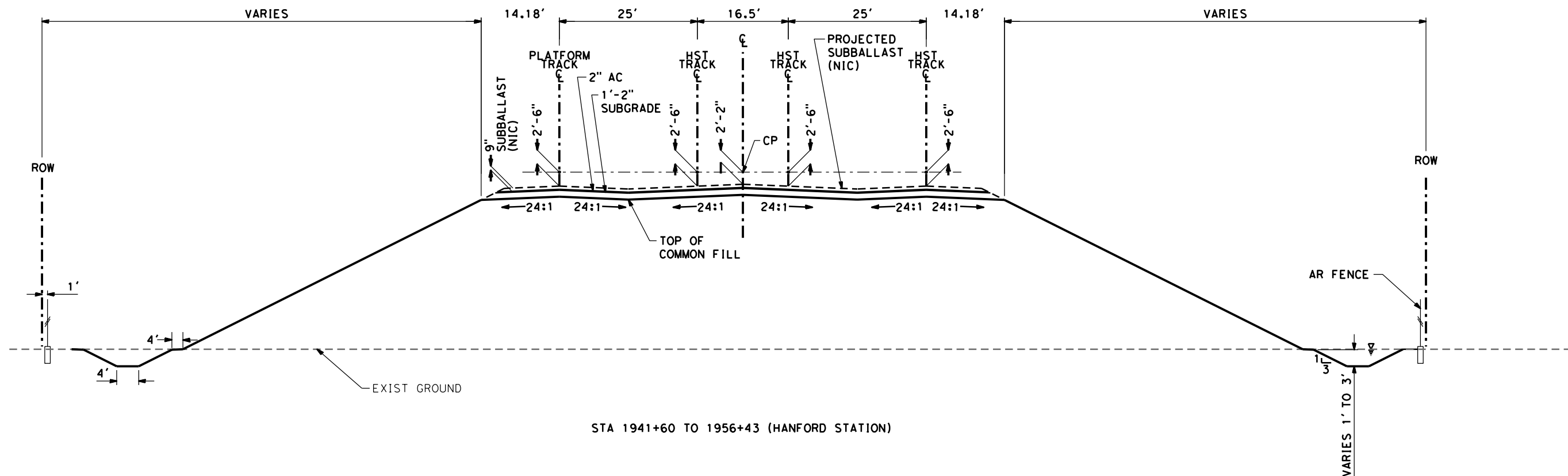
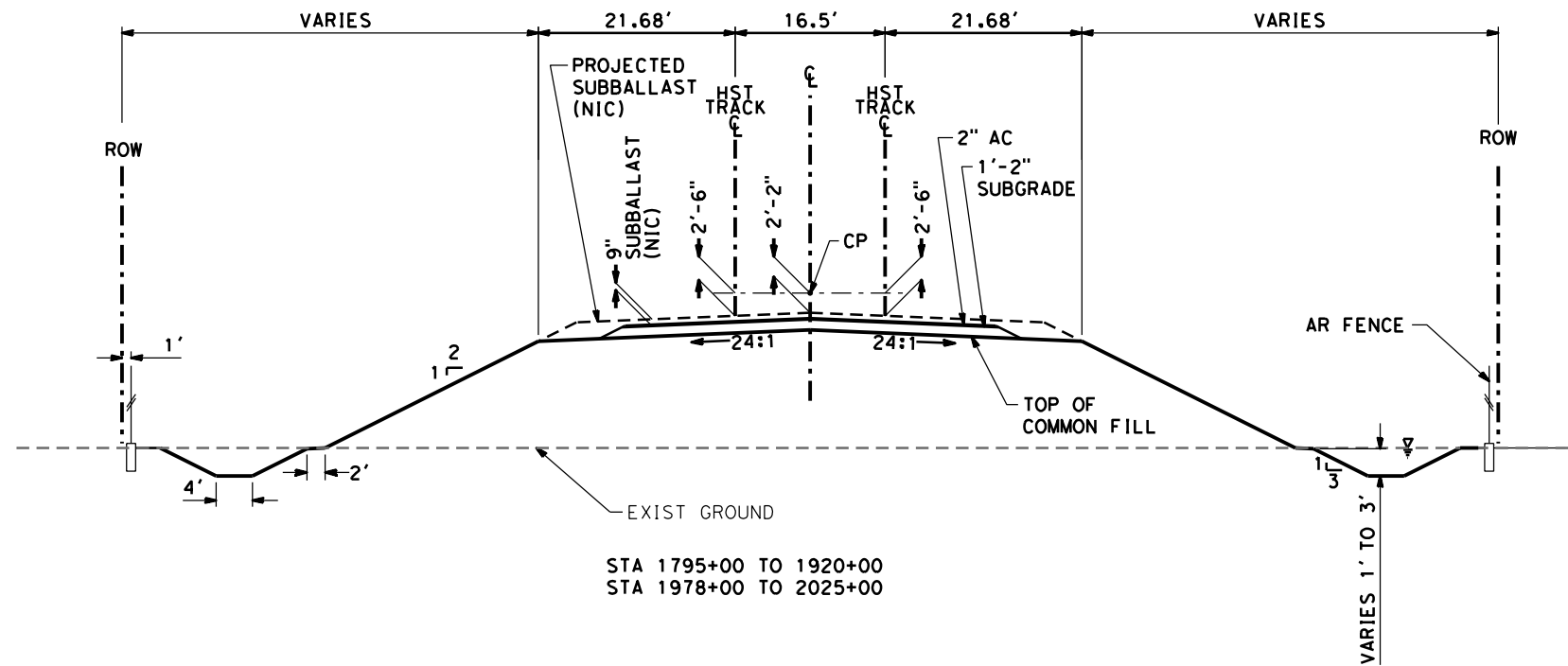
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DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HANFORD SUBSECTION
ALIGNMENT H
TYPICAL SECTIONS** **ATC 17**

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DISCLAIMER:
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DESIGNED BY
M. LOPEZ-DUBOIS
DRAWN BY
B. KIDD
CHECKED BY
E. KARAM
IN CHARGE
R. TREVE
DATE
07/02/14

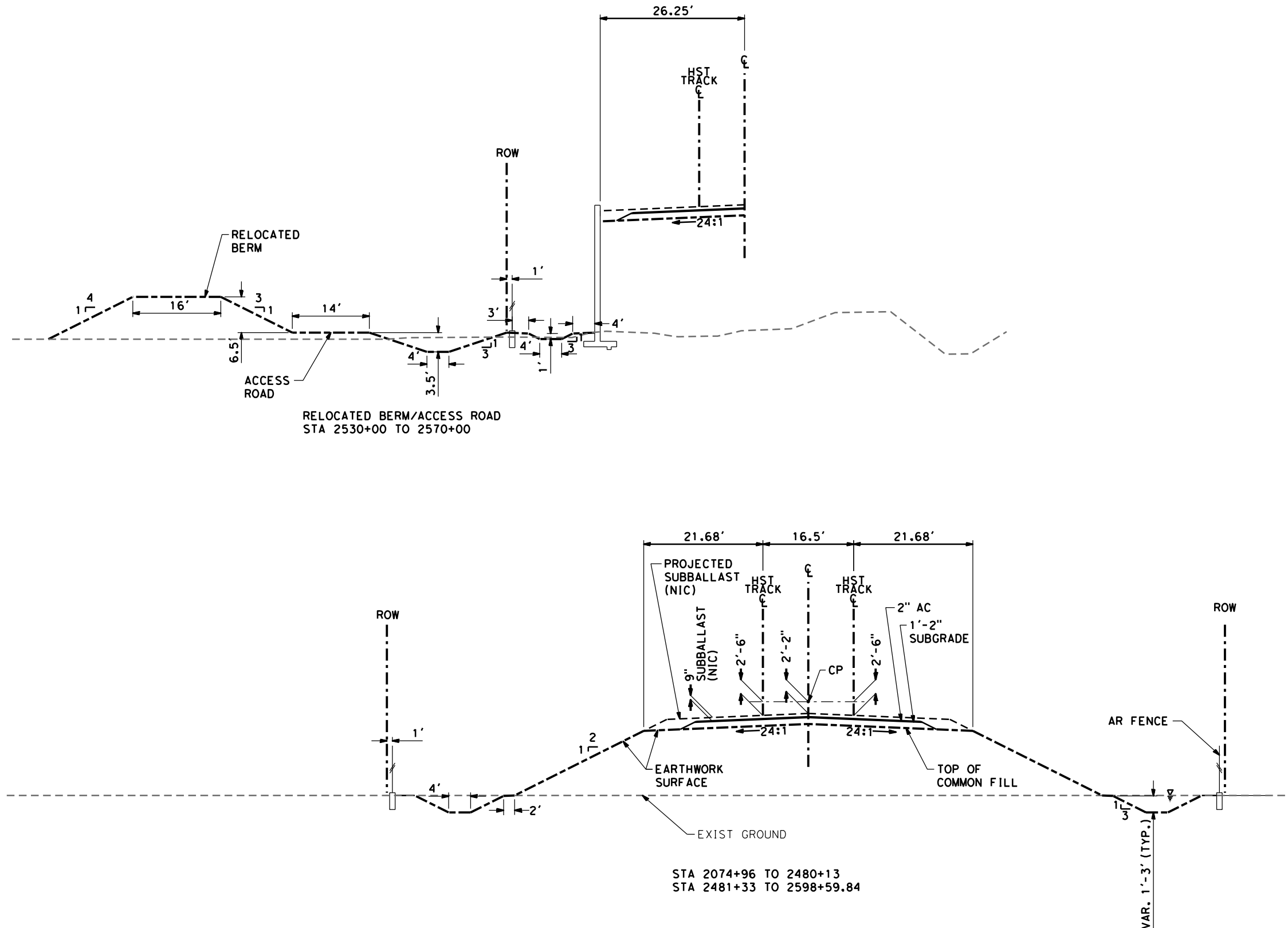
RECORD SET 15%
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CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
TYPICAL SECTIONS
ATC 17

CONTRACT NO.
HST 06-0003
DRAWING NO.
T1005
SCALE
AS SHOWN
SHEET NO.



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DESIGNED BY
M. LOPEZ-DUBOIS
DRAWN BY
B. KIDD
CHECKED BY
E. Karam
IN CHARGE
R. Treve
DATE
07/02/14

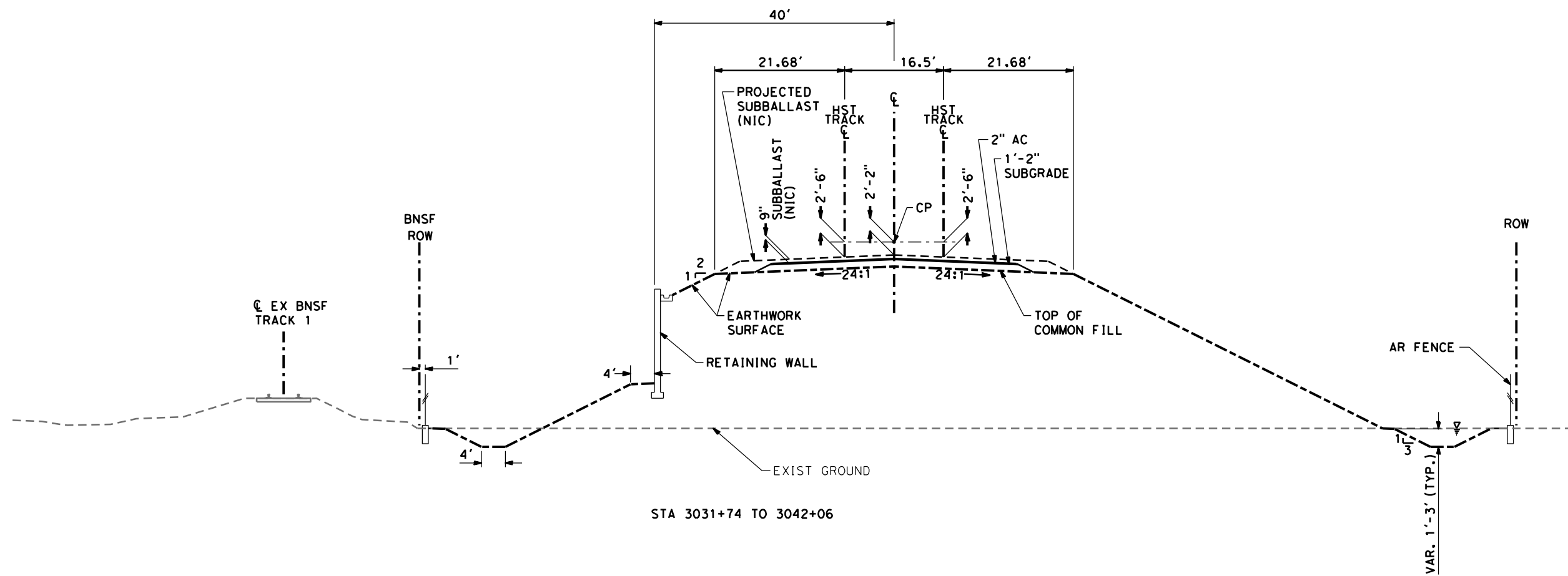
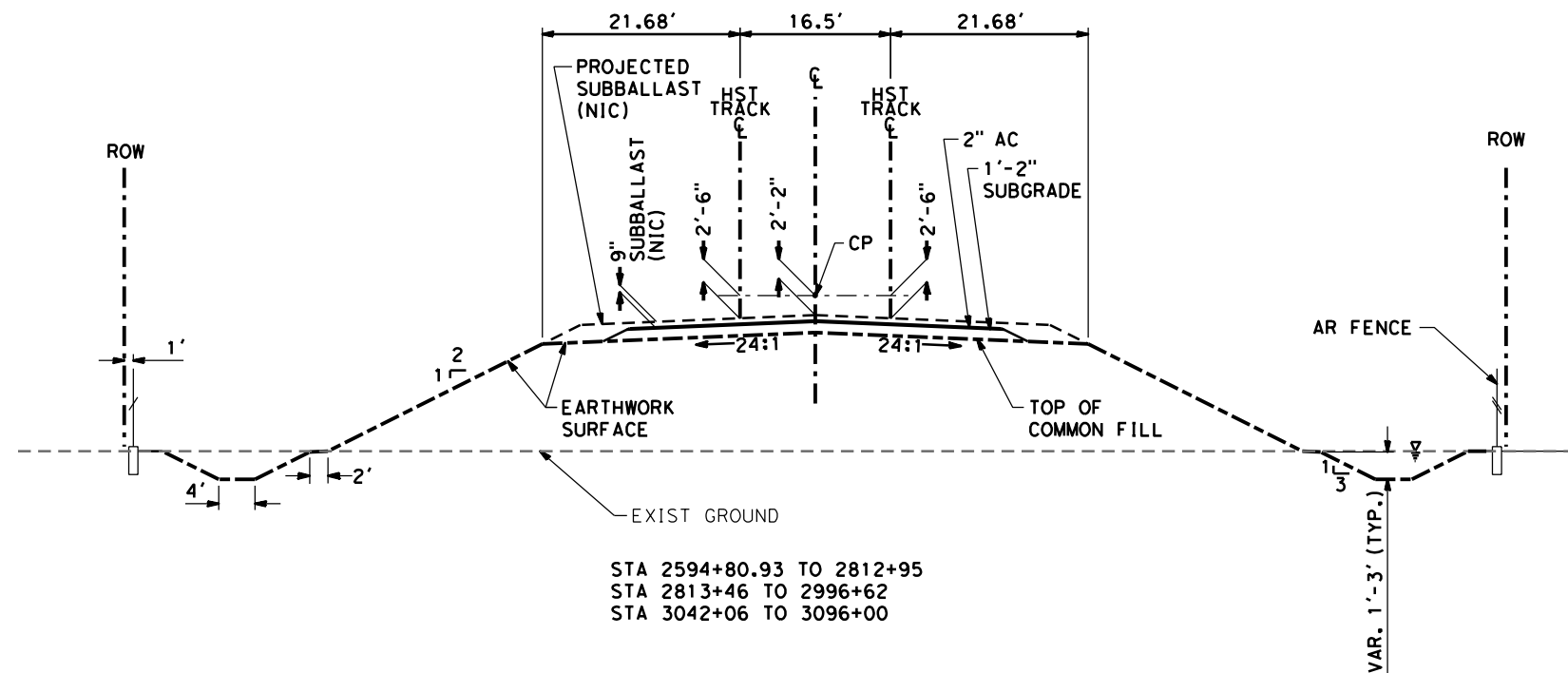
RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT K4
TYPICAL SECTIONS

CONTRACT NO.
HST 06-0003
DRAWING NO.
T1016
SCALE
AS SHOWN
SHEET NO.

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partingtonsa 10/13/2014 7:21:03 PM



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DESIGNED BY
P. BARNEY
DRAWN BY
M. LOPEZ-DUBOIS
CHECKED BY
E. Karam
IN CHARGE
R. Treveatt
DATE
07/02/14

RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION

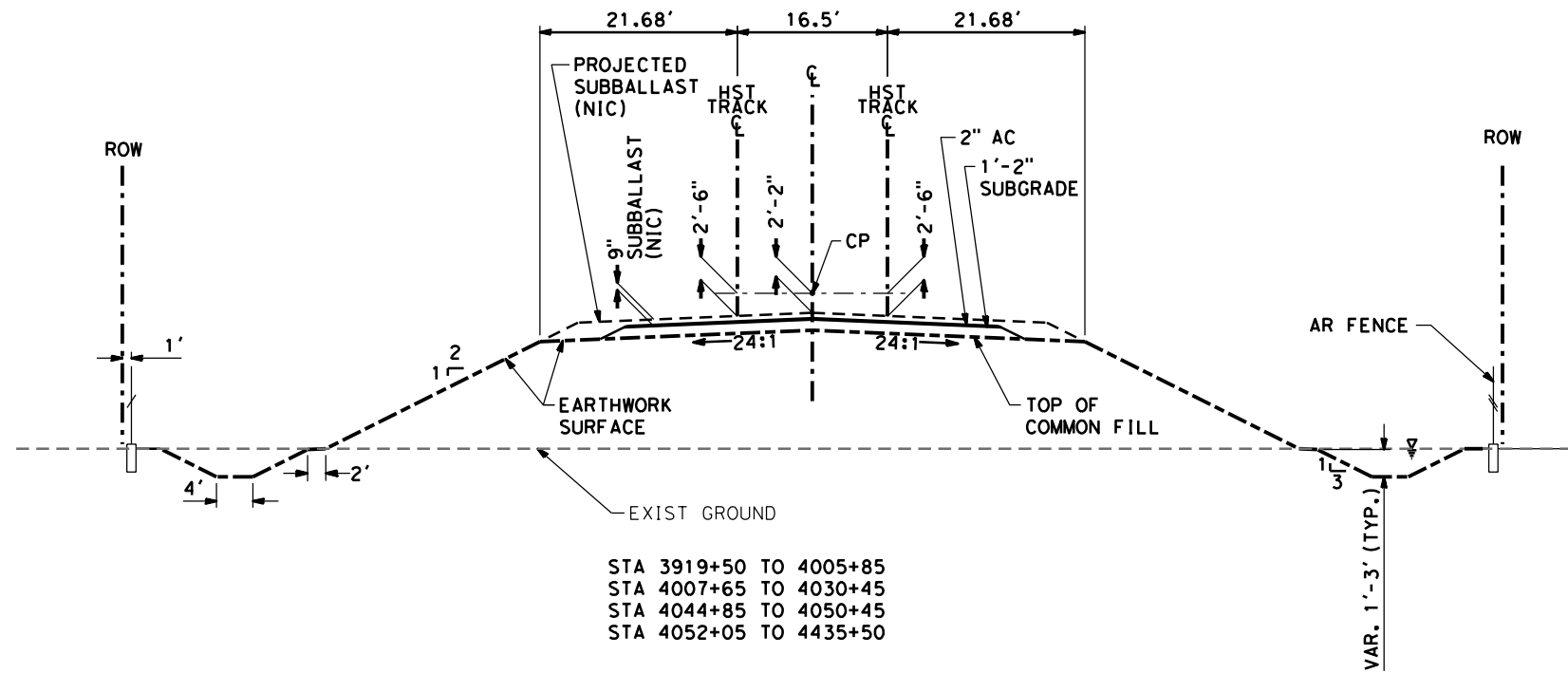


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT C2
TYPICAL SECTIONS

CONTRACT NO.
HST 06-0003
DRAWING NO.
T1007
SCALE
AS SHOWN
SHEET NO.

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DESIGNED BY M. LOPEZ-DUBOIS
DRAWN BY P. BARNEY
CHECKED BY E. KARAM
IN CHARGE R. TREVE
DATE 07/02/14

**RECORD SET 15%
DESIGN SUBMISSION**

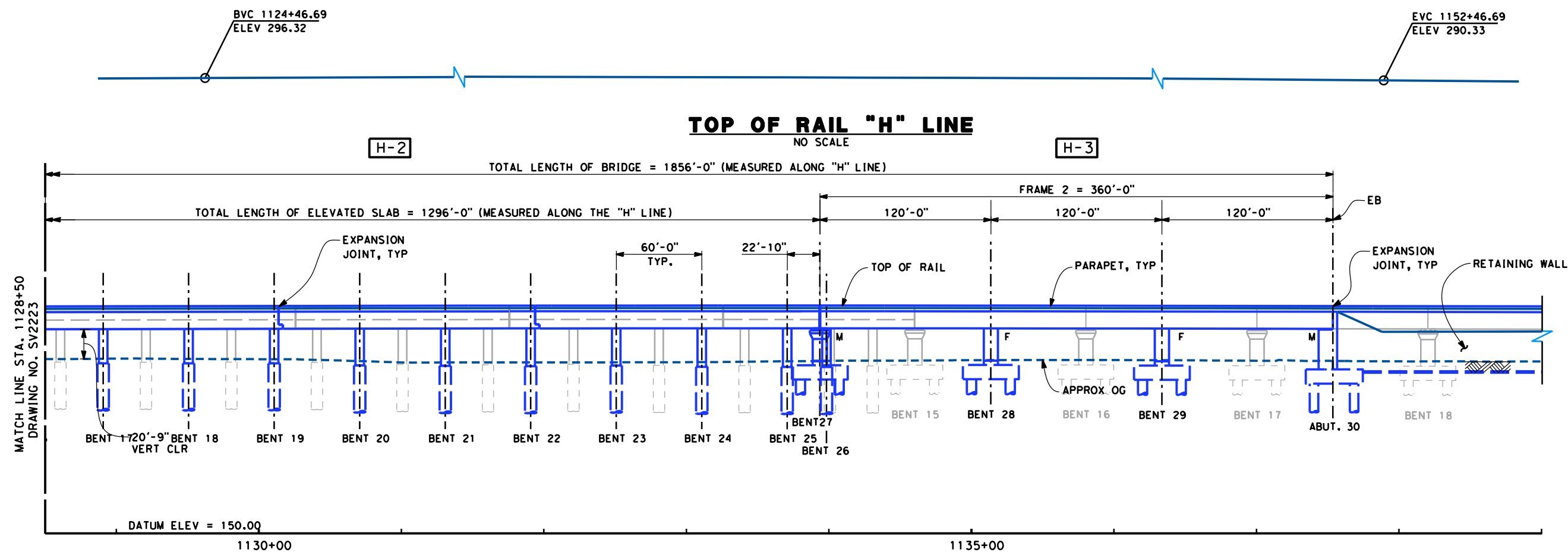
**NOT FOR
CONSTRUCTION**



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

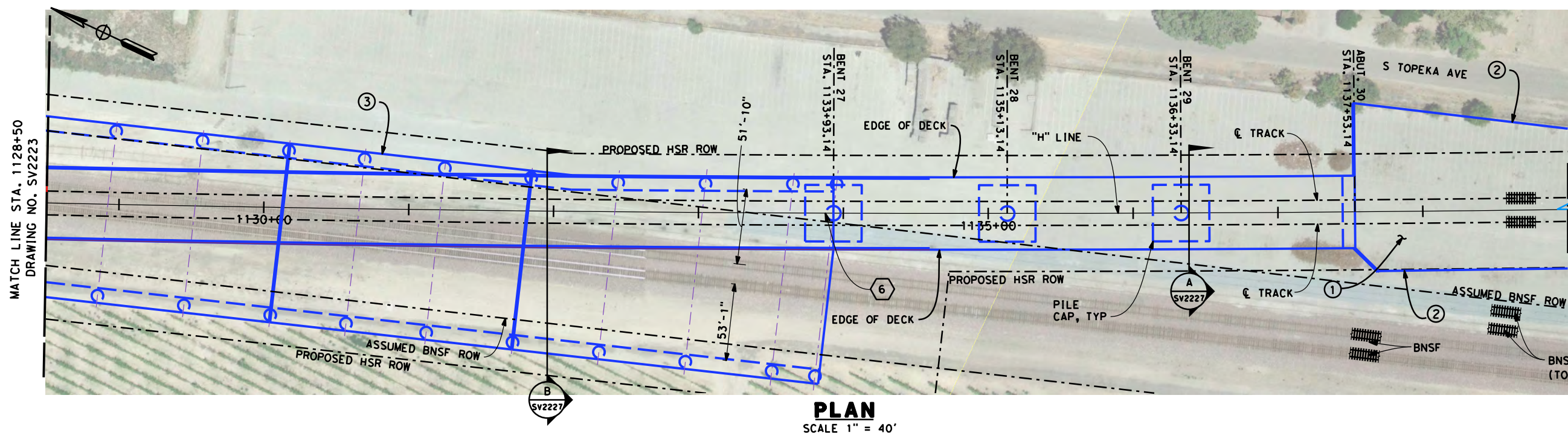
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT P/A1
TYPICAL SECTIONS

CONTRACT NO. HST 06-0003
DRAWING NO. T1009
SCALE AS SHOWN
SHEET NO.




NOTES


1. SUPERSTRUCTURE CONSTRUCTION, UON
CONTINUOUS SPANS - CIP/PS CONC.
BOX GIRDER
2. ELEVATED SLABS - PC BEAM AND
IN-SITU SLAB
3. REFER TO TRACK ALIGNMENT DATA
TABLE FOR CURVE AND TANGENT
INFORMATION.




LEGEND:


- ① CEMENT TREATED STRUCTURE BACKFILL
- ② RETAINING WALL
- ③ ARCHITECTURAL TREATMENT PANELS
- * ESTIMATED 100-YEAR FLOOD ELEVATION, SEE "FRESNO TO BAKERSFIELD CORRIDOR HYDROLOGY, HYDRAULICS AND DRAINAGE 15% DRAFT REPORT".

 POINT OF MINIMUM CLEARANCE

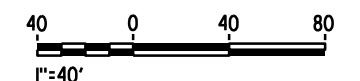
 RFP DESIGN

 DFS PROPOSED

CURVE DATA

 6

R = 29000.00'
Δ = 37° 42' 29.3"
T = 9903.0'
L = 19085.8'



DISCLAIMER:
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N	DESIGNED BY	K. LEE
	DRAWN BY	A. PRICE
	CHECKED BY	G. DREESZEN
	IN CHARGE	R. TREVETT
	DATE	10/9/14

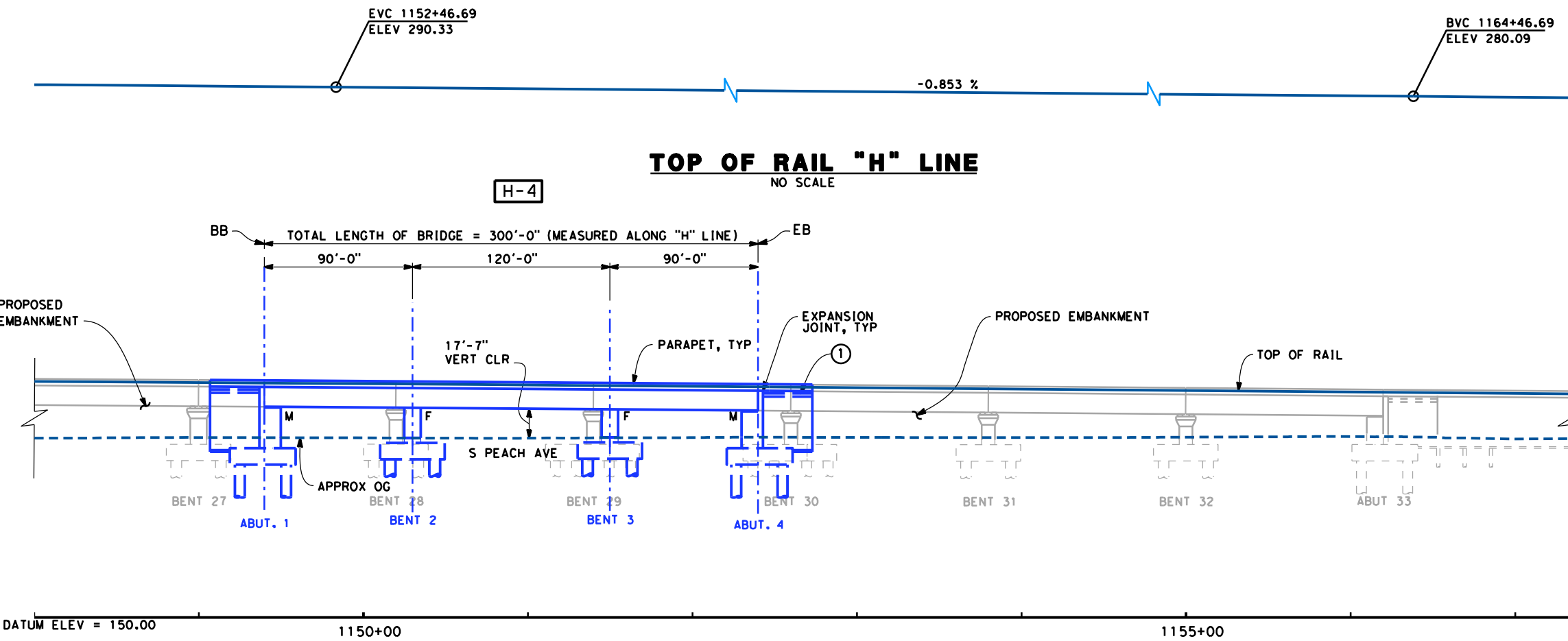
**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

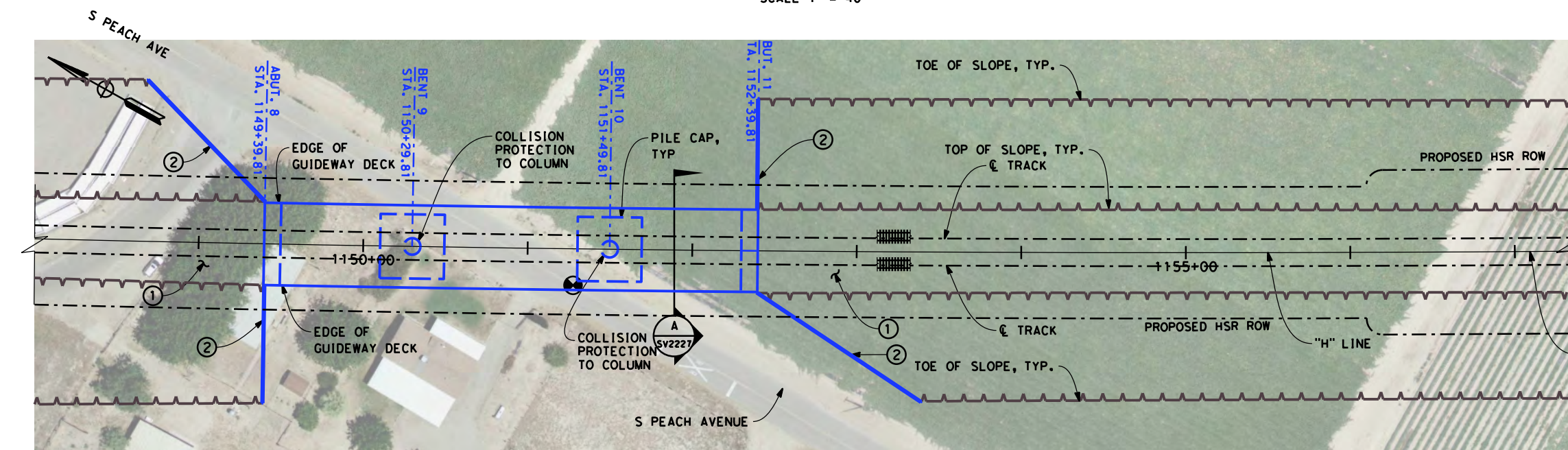


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HANFORD SUBSECTION
ALIGNMENT H
CONEJO VIADUCT
PLAN AND ELEVATION**

CONTRACT NO.	HSR 06-0003
DRAWING NO.	SV2224
SCALE	AS SHOWN
SHEET NO.	5 OF 8



ELEVATION
SCALE 1" = 40'



PLAN
SCALE 1" = 40'

- NOTES**
1. SUPERSTRUCTURE CONSTRUCTION, UON
CONTINUOUS SPANS - CIP/PS CONC.
BOX GIRDER
 2. ELEVATED SLABS - PC BEAM AND
IN-SITU SLAB
 3. REFER TO TRACK ALIGNMENT DATA
TABLE FOR CURVE AND TANGENT
INFORMATION.

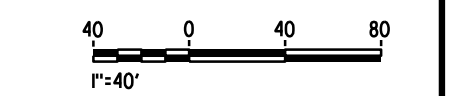
- LEGEND:**
- ① CEMENT TREATED STRUCTURE
BACKFILL
 - ② RETAINING WALL

- * ESTIMATED 100-YEAR FLOOD
ELEVATION, SEE "FRESNO TO
BAKERSFIELD CORRIDOR
HYDROLOGY, HYDRAULICS AND
DRAINAGE 15% DRAFT REPORT".
- ⊗ POINT OF MINIMUM CLEARANCE
- RFP DESIGN
- DFS PROPOSED

CURVE DATA

⑥

R = 29000.00'
Δ = 37° 42' 29.3"
T = 9903.0'
L = 19085.8'



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DESIGNED BY
K. LEE
DRAWN BY
A. PRICE
CHECKED BY
G. DREESZEN
IN CHARGE
R. TREVETT
DATE
10/9/14

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

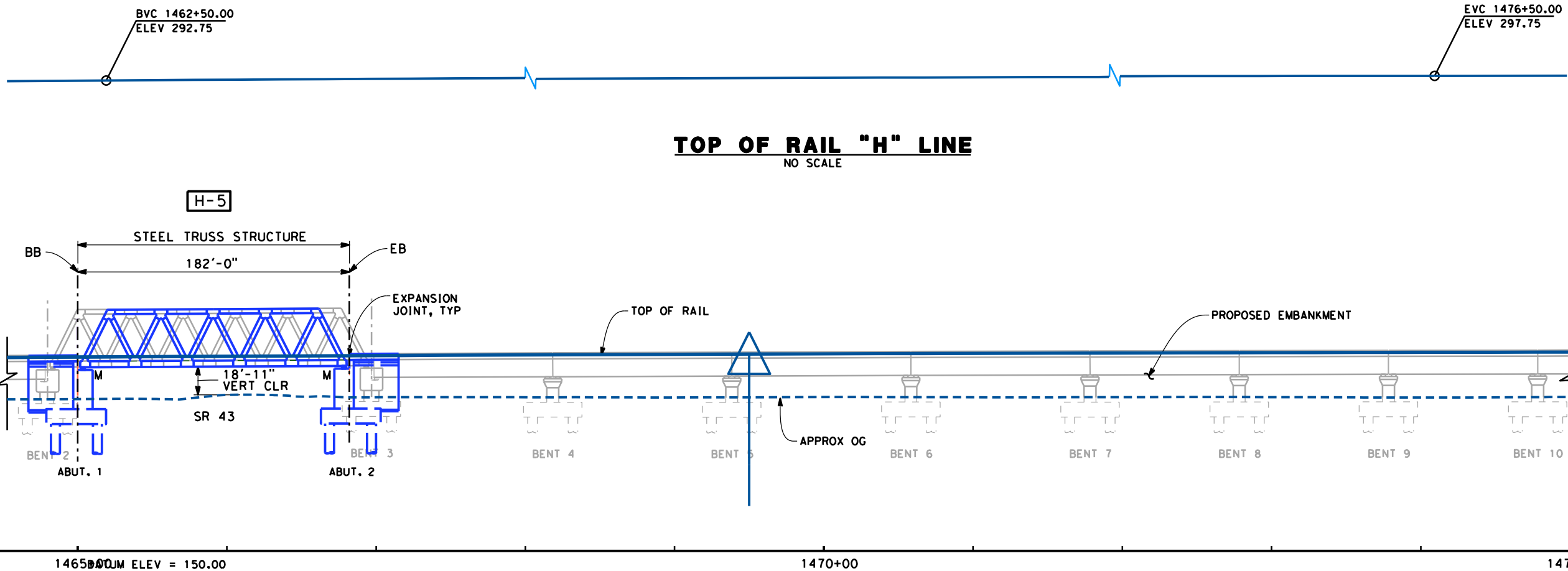
**HANFORD SUBSECTION
ALIGNMENT H
CONEJO VIADUCT
PLAN AND ELEVATION**

CONTRACT NO.
HSR 06-0003

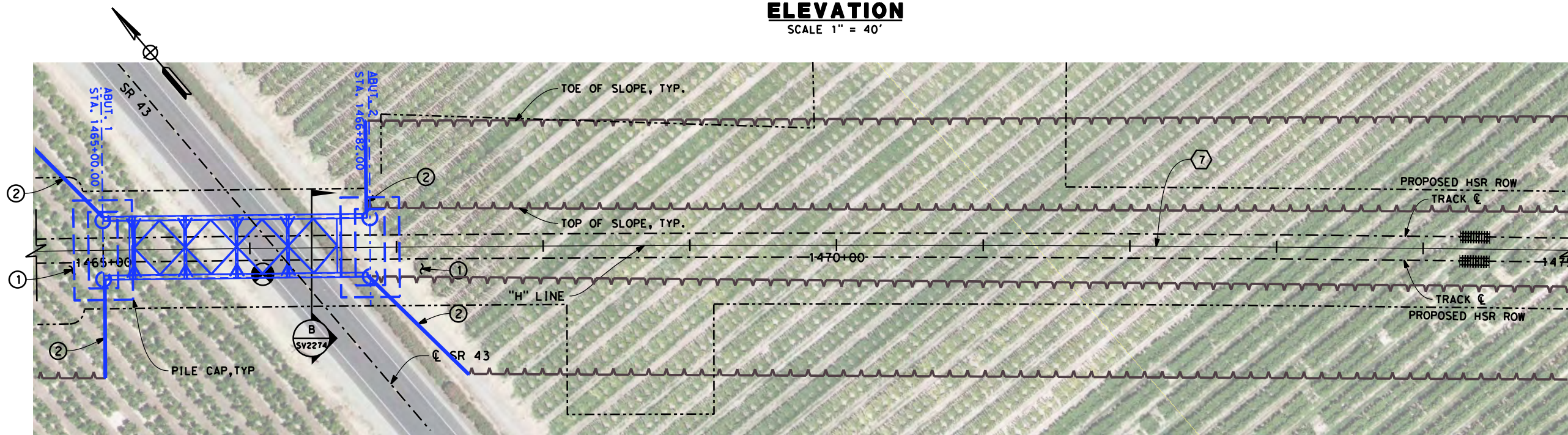
DRAWING NO.
SV2226

SCALE
AS SHOWN

SHEET NO.
7 OF 8



ELEVATION
SCALE 1" = 40'



PLAN
SCALE 1" = 40'

NOTES

1. SUPERSTRUCTURE CONSTRUCTION, UON
CONTINUOUS SPANS - CIP/PS CONC.
BOX GIRDER
2. ELEVATED SLABS - PC BEAM AND
IN-SITU SLAB
3. REFER TO TRACK ALIGNMENT DATA
TABLE FOR CURVE AND TANGENT
INFORMATION.

LEGEND:

- ① CEMENT TREATED STRUCTURE
BACKFILL
- ② RETAINING WALL

* ESTIMATED 100-YEAR FLOOD
ELEVATION, SEE "FRESNO TO
BAKERSFIELD CORRIDOR
HYDROLOGY, HYDRAULICS AND
DRAINAGE 15% DRAFT REPORT".

⊗ POINT OF MINIMUM CLEARANCE

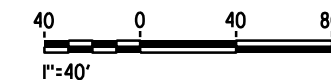
— RFP DESIGN

— DFS PROPOSED

CURVE DATA

⑦

R = 36500.00'
Δ = 58° 05' 38.8"
T = 20271.5'
L = 37008.6'



DISCLAIMER:
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DESIGNED BY
K. LEE
DRAWN BY
A. PRICE
CHECKED BY
G. DREESZEN
IN CHARGE
R. TREVETT
DATE
10/9/14

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DESIGN SUBMISSION
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CONSTRUCTION

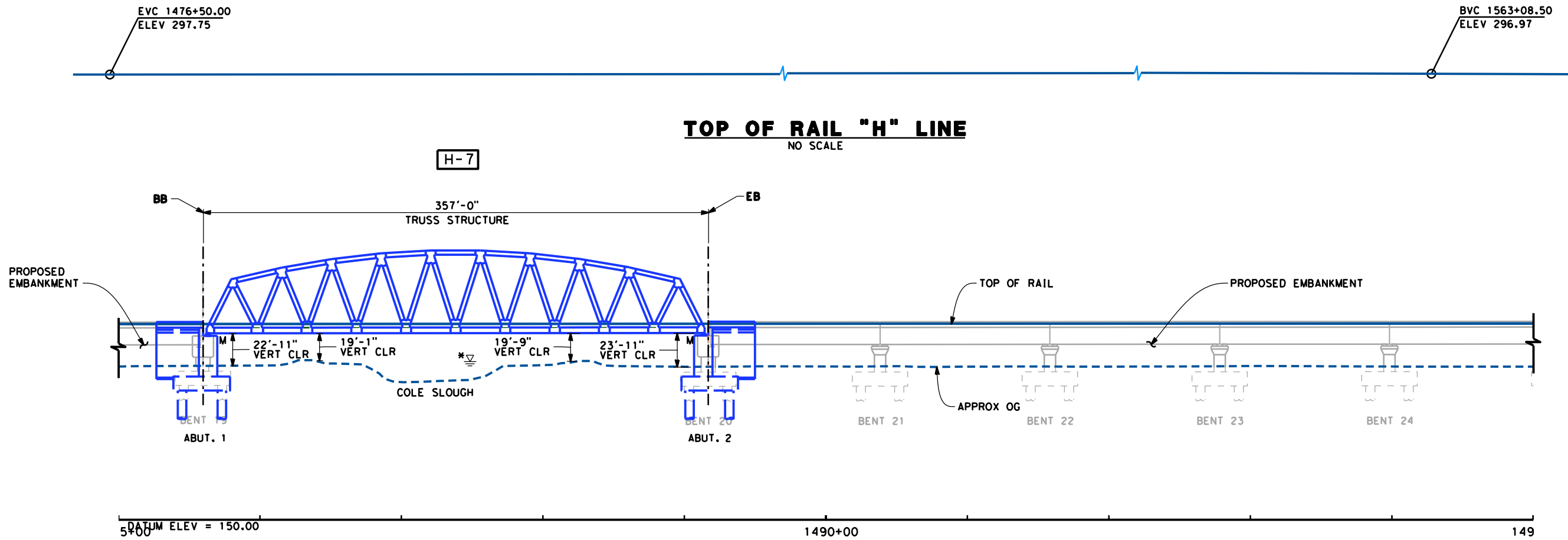


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HANFORD SUBSECTION
ALIGNMENT H
KINGS RIVER VIADUCT
PLAN AND ELEVATION

CONTRACT NO.
HSR 06-0003
DRAWING NO.
SV2260
SCALE
AS SHOWN
SHEET NO.
3 OF 18

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reeszega



- NOTES**
1. SUPERSTRUCTURE CONSTRUCTION, UON CONTINUOUS SPANS - CIP/PS CONC. BOX GIRDER
 2. ELEVATED SLABS - PC BEAM AND IN-SITU SLAB
 3. REFER TO TRACK ALIGNMENT DATA TABLE FOR CURVE AND TANGENT INFORMATION.

- LEGEND:**
- ① CEMENT TREATED STRUCTURE BACKFILL
 - ② RETAINING WALL

* ESTIMATED 100-YEAR FLOOD ELEVATION, SEE "FRESNO TO BAKERSFIELD CORRIDOR HYDROLOGY, HYDRAULICS AND DRAINAGE 15% DRAFT REPORT".

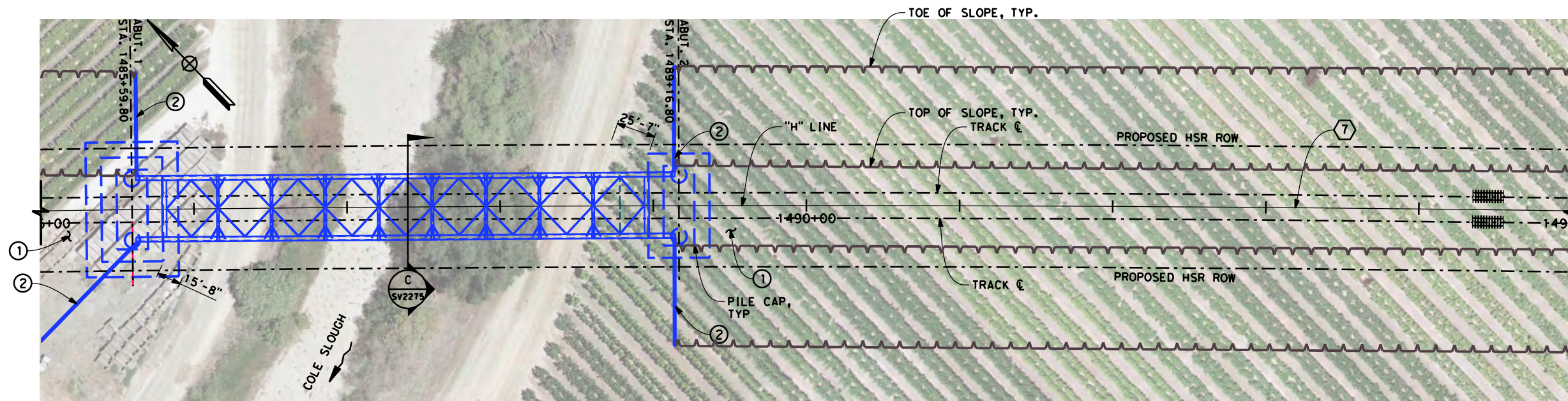
⊗ POINT OF MINIMUM CLEARANCE

— RFP DESIGN
— DFS PROPOSED

CURVE DATA

⑦
R = 36500.00'
Δ = 58° 05' 38.8"
T = 20271.5'
L = 37008.6'

40 0 40 80
1"=40'



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G. DREESZEN
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R. TREVETT
DATE
10/9/14

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DESIGN SUBMISSION**

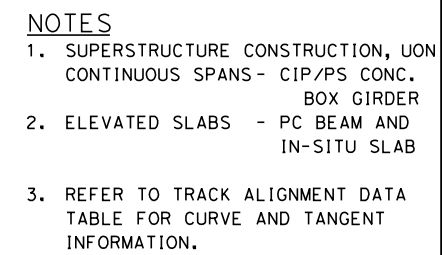
**NOT FOR
CONSTRUCTION**



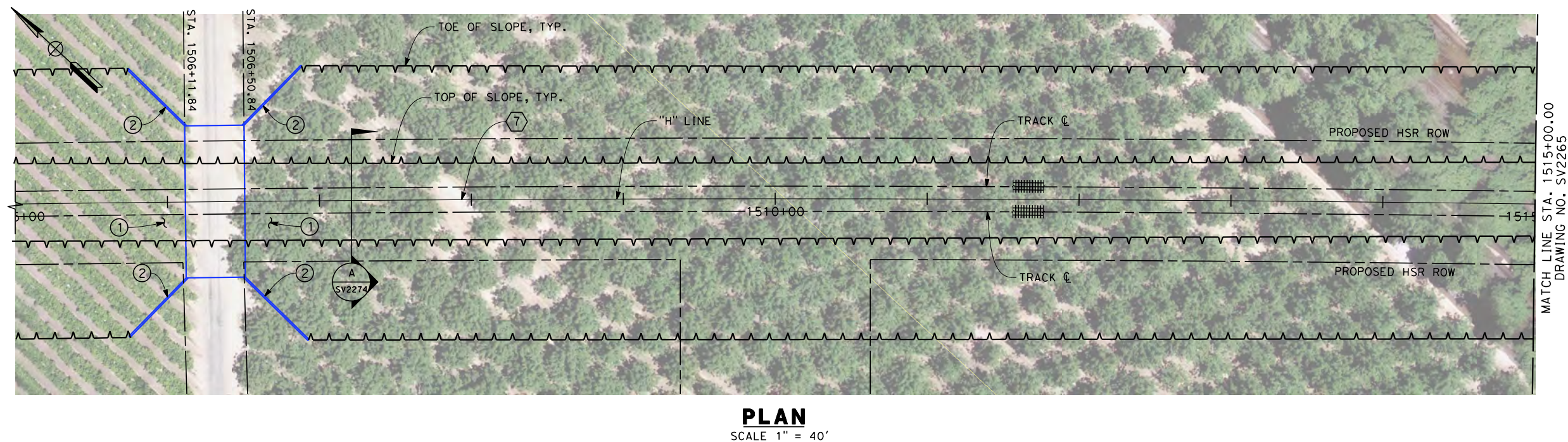
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
KINGS RIVER VIADUCT
PLAN AND ELEVATION

CONTRACT NO.
HSR 06-0003
DRAWING NO.
SV2262
SCALE
AS SHOWN
SHEET NO.
5 OF 18



ELEVATION
SCALE 1" = 40'




LEGEND:

① CEMENT TREATED STRUCTURE BACKFILL

② RETAINING WALL

* ESTIMATED 100-YEAR FLOOD ELEVATION, SEE "FRESNO TO BAKERSFIELD CORRIDOR HYDROLOGY, HYDRAULICS AND DRAINAGE 15% DRAFT REPORT".

 POINT OF MINIMUM CLEARANCE

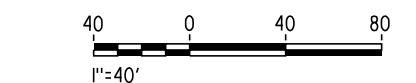
— RFP DESIGN

— DFS PROPOSED

CURVE DATA

7

R = 36500.00'
Δ = 58° 05' 38.8"
T = 20271.5'
L = 37008.6'



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DISCLAIMER:
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N	DESIGNED BY	K. LEE
	DRAWN BY	A. PRICE
	CHECKED BY	G. DREESZEN
	IN CHARGE	R. TREVETT
	DATE	10/9/14

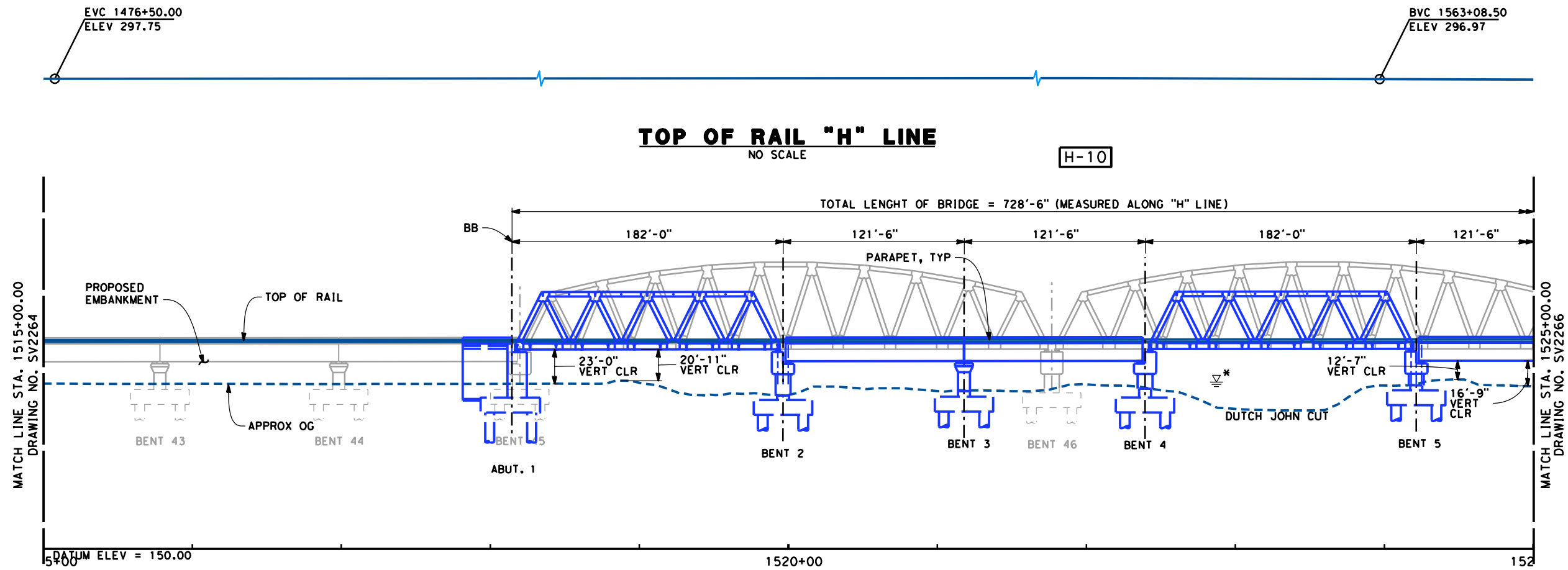
**RECORD SET 15%
DESIGN SUBMISSION
-
NOT FOR
CONSTRUCTION**



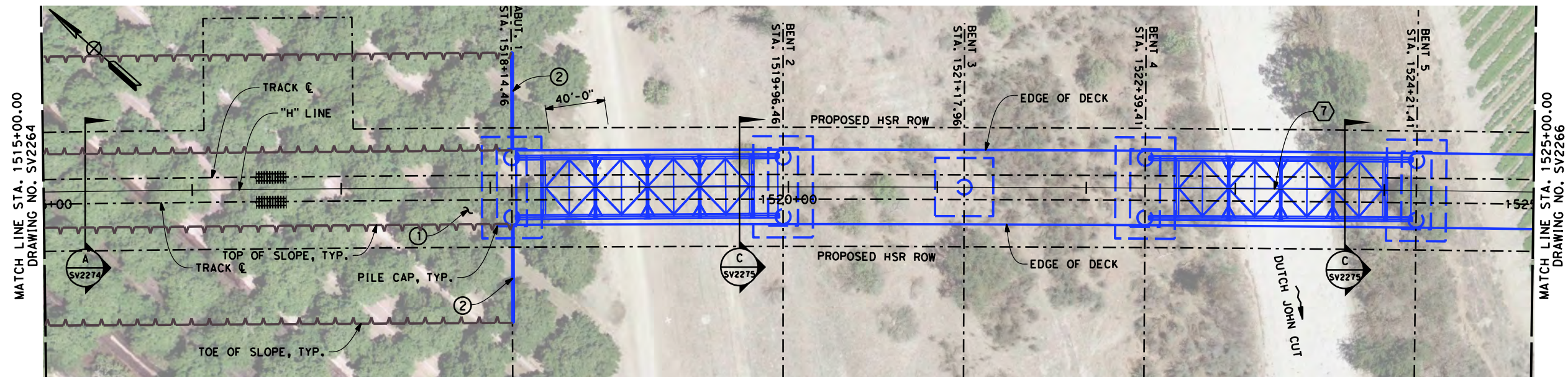
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
KINGS RIVER VIADUCT
PLAN AND ELEVATION

CONTRACT NO.	HSR 06-0003
DRAWING NO.	SV2264
SCALE	AS SHOWN
SHEET NO.	7 OF 18

10/16/2014 11:11:11 AM c:\pwworking\ndi\dreeszeg\0175683\FB-SV-2265-H.dgn
dreeszeg



ELEVATION
SCALE 1" = 40'



PLAN
SCALE 1" = 40'

NOTES

1. SUPERSTRUCTURE CONSTRUCTION, UON
CONTINUOUS SPANS - CIP/PS CONC.
BOX GIRDER
2. ELEVATED SLABS - PC BEAM AND
IN-SITU SLAB
3. REFER TO TRACK ALIGNMENT DATA
TABLE FOR CURVE AND TANGENT
INFORMATION.

LEGEND:

- ① CEMENT TREATED STRUCTURE
BACKFILL
- ② RETAINING WALL

* ESTIMATED 100-YEAR FLOOD
ELEVATION, SEE "FRESNO TO
BAKERSFIELD CORRIDOR
HYDROLOGY, HYDRAULICS AND
DRAINAGE 15% DRAFT REPORT".

⊗ POINT OF MINIMUM CLEARANCE

— RFP DESIGN

— DFS PROPOSED

CURVE DATA

⑦

R = 36500.00'
Δ = 58° 05' 38.8"
T = 20271.5'
L = 37008.6'

40 0 40 80

1"=40'

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K. LEE

DRAWN BY
A. PRICE

CHECKED BY
G. DREESZEN

IN CHARGE
R. TREVETT

DATE
10/9/14

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

HANFORD SUBSECTION
ALIGNMENT H
KINGS RIVER VIADUCT
PLAN AND ELEVATION

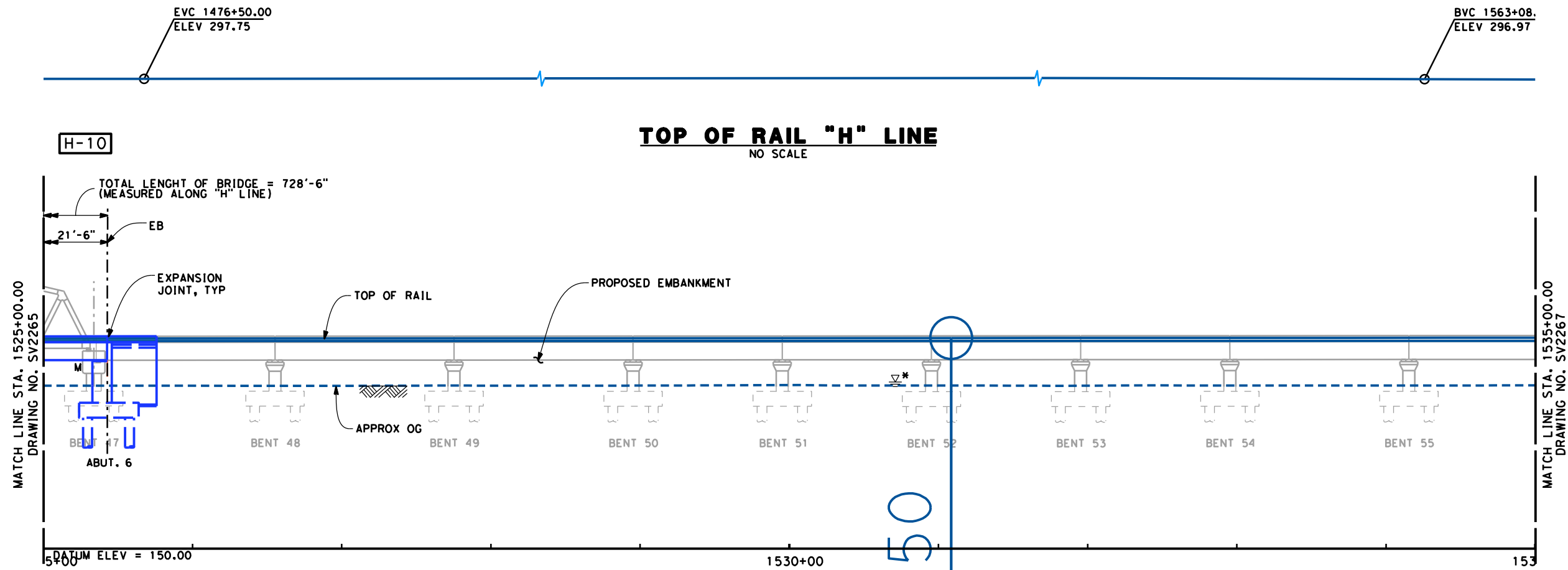
CONTRACT NO.
HSR 06-0003

DRAWING NO.
SV2265

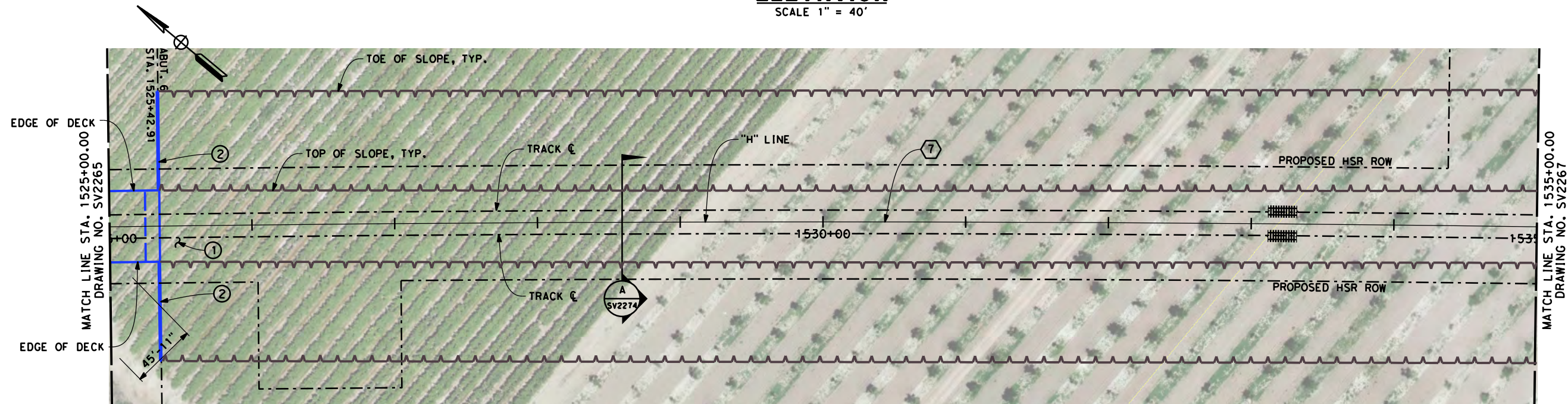
SCALE
AS SHOWN

SHEET NO.
8 OF 18

c:\pwworking\ndai\dreeszeg\0175683\FB-SV-2266-H.dgn
10/16/2014 11:16:37 AM
dreeszeg



ELEVATION
SCALE 1" = 40'



PLAN
SCALE 1" = 40'

NOTES

1. SUPERSTRUCTURE CONSTRUCTION, UON
CONTINUOUS SPANS - CIP/PS CONC.
BOX GIRDER
2. ELEVATED SLABS - PC BEAM AND
IN-SITU SLAB
3. REFER TO TRACK ALIGNMENT DATA
TABLE FOR CURVE AND TANGENT
INFORMATION.

LEGEND:

- ① CEMENT TREATED STRUCTURE
BACKFILL
- ② RETAINING WALL

* ESTIMATED 100-YEAR FLOOD
ELEVATION, SEE "FRESNO TO
BAKERSFIELD CORRIDOR
HYDROLOGY, HYDRAULICS AND
DRAINAGE 15% DRAFT REPORT".

⊗ POINT OF MINIMUM CLEARANCE

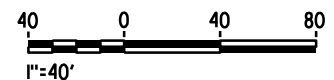
— RFP DESIGN

— DFS PROPOSED

CURVE DATA

⑦

R = 36500.00'
Δ = 58° 05' 38.8"
T = 20271.5'
L = 37008.6'



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USED FOR CONSTRUCTION.

DESIGNED BY
K. LEE
DRAWN BY
A. PRICE
CHECKED BY
G. DREESZEN
IN CHARGE
R. TREVETT
DATE
10/9/14

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

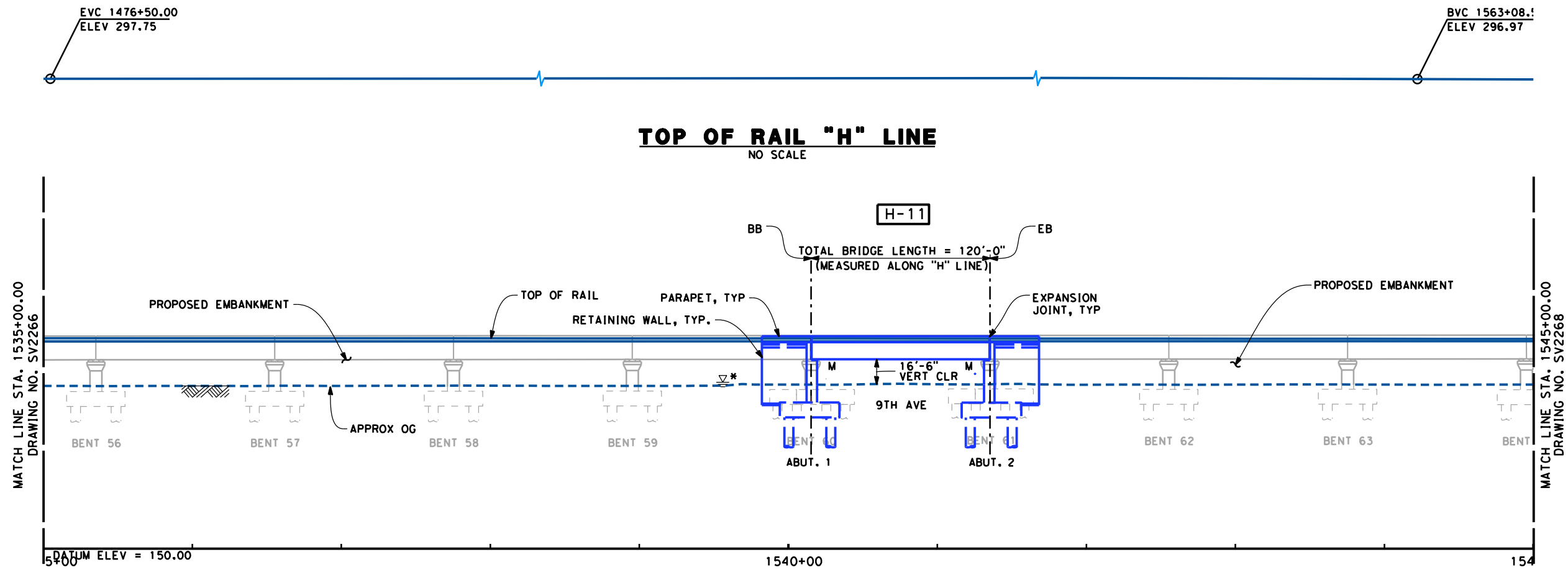


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

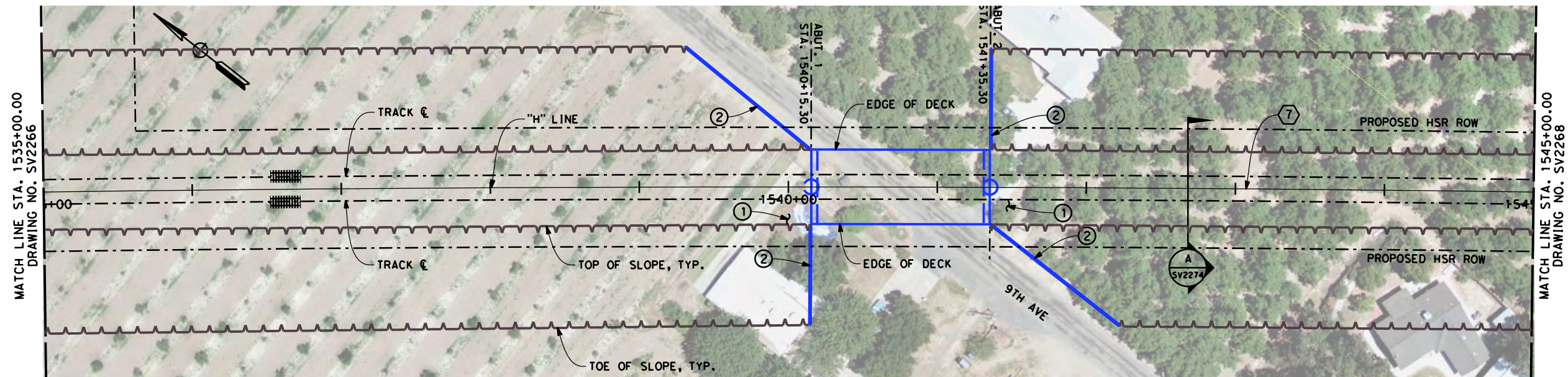
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
KINGS RIVER VIADUCT
PLAN AND ELEVATION

CONTRACT NO.
HSR 06-0003
DRAWING NO.
SV2266
SCALE
AS SHOWN
SHEET NO.
9 OF 18

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dreeszegad



ELEVATION
SCALE 1" = 40'



PLAN
SCALE 1" = 40'

NOTES

1. SUPERSTRUCTURE CONSTRUCTION, UON
CONTINUOUS SPANS - CIP/PS CONC.
BOX GIRDER
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3. REFER TO TRACK ALIGNMENT DATA
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LEGEND:

- ① CEMENT TREATED STRUCTURE
BACKFILL
- ② RETAINING WALL

* ESTIMATED 100-YEAR FLOOD
ELEVATION, SEE "FRESNO TO
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HYDROLOGY, HYDRAULICS AND
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⊗ POINT OF MINIMUM CLEARANCE

— RFP DESIGN

— DFS PROPOSED

CURVE DATA

⑦

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40 0 40 80

1"=40'

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DATE
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CALIFORNIA
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

HANFORD SUBSECTION
ALIGNMENT H
KINGS RIVER VIADUCT
PLAN AND ELEVATION

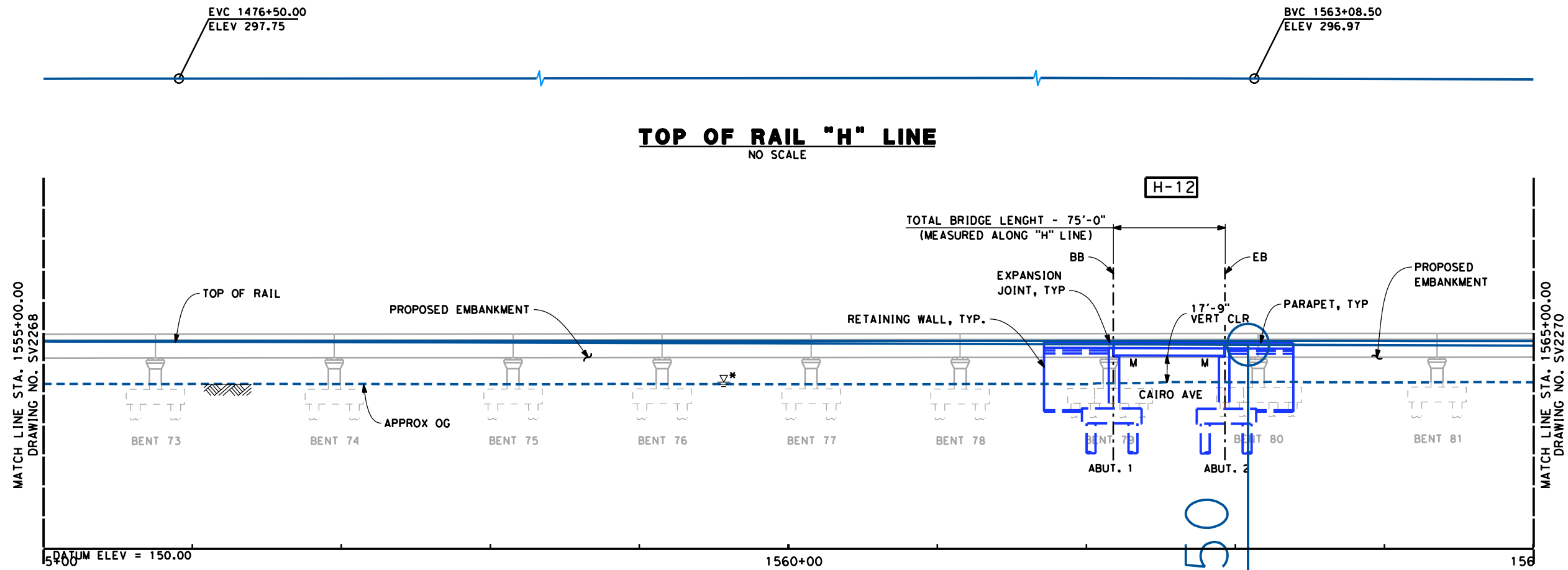
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HSR 06-0003

DRAWING NO.
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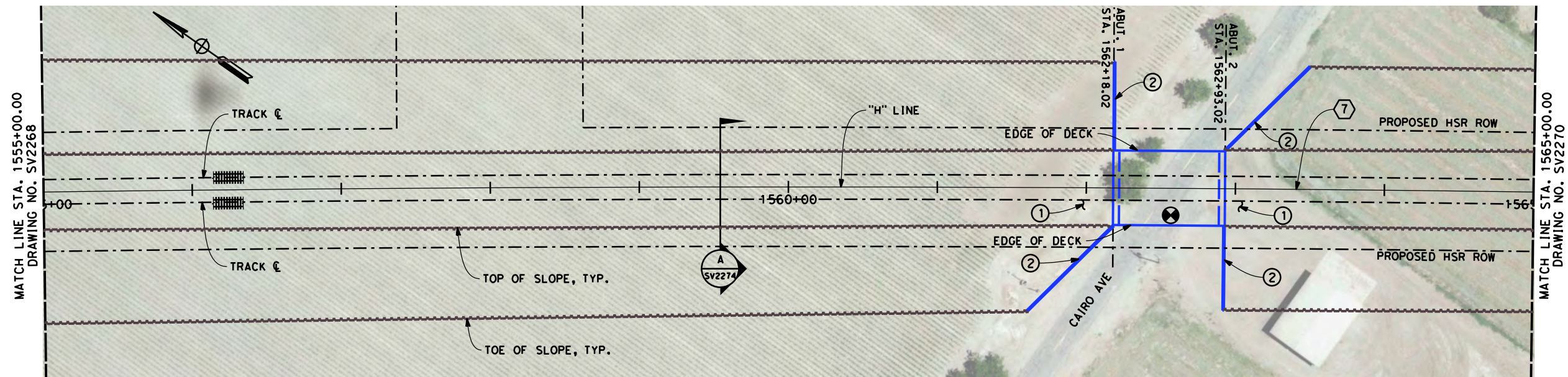
SCALE
AS SHOWN

SHEET NO.
10 OF 18

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dreeszeg



ELEVATION
SCALE 1" = 40'



PLAN
SCALE 1" = 40'

NOTES

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CONTINUOUS SPANS - CIP/PS CONC.
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- ② RETAINING WALL

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— DFS PROPOSED

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HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
KINGS RIVER VIADUCT
PLAN AND ELEVATION

CONTRACT NO.
HSR 06-0003
DRAWING NO.
SV2269
SCALE
AS SHOWN
SHEET NO.
12 OF 18

- NOTES**
1. SUPERSTRUCTURE CONSTRUCTION, UON
CONTINUOUS SPANS - CIP/PS CONC.
BOX GIRDER
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ELEVATION, SEE "FRESNO TO
BAKERSFIELD CORRIDOR
HYDROLOGY, HYDRAULICS AND
DRAINAGE 15% DRAFT REPORT".

⊗ POINT OF MINIMUM CLEARANCE

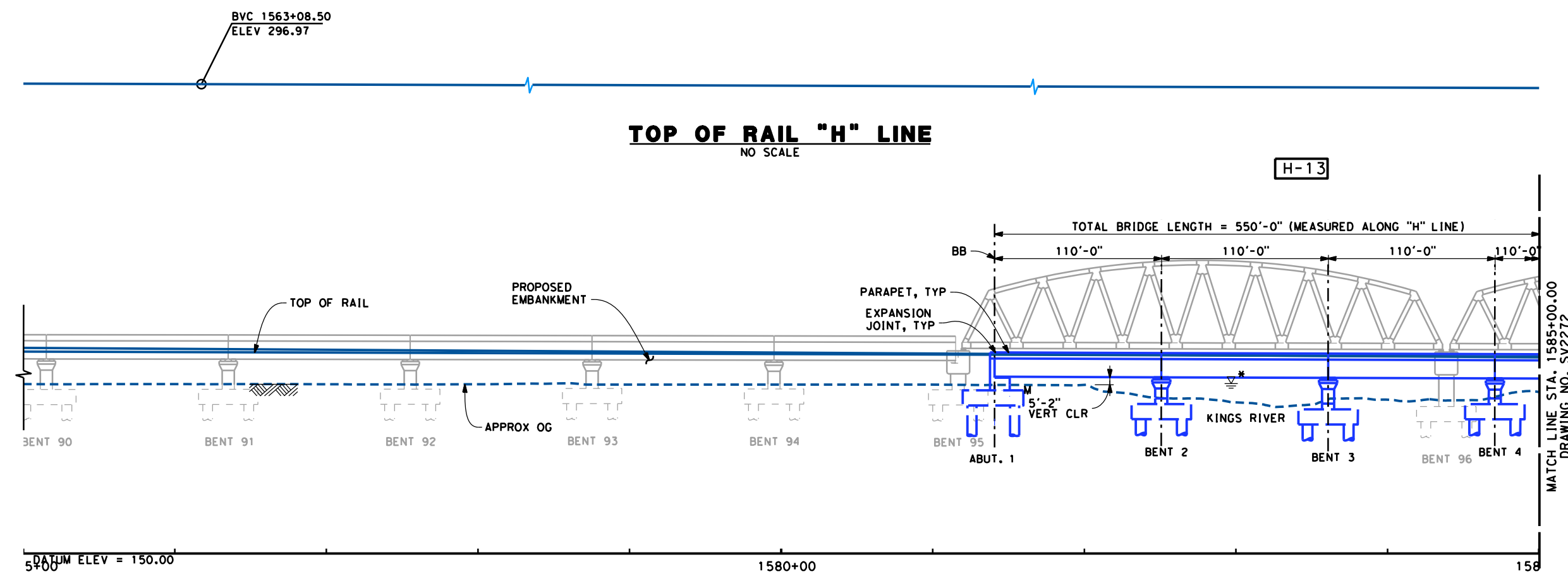
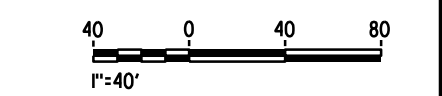
— RFP DESIGN

— DFS PROPOSED

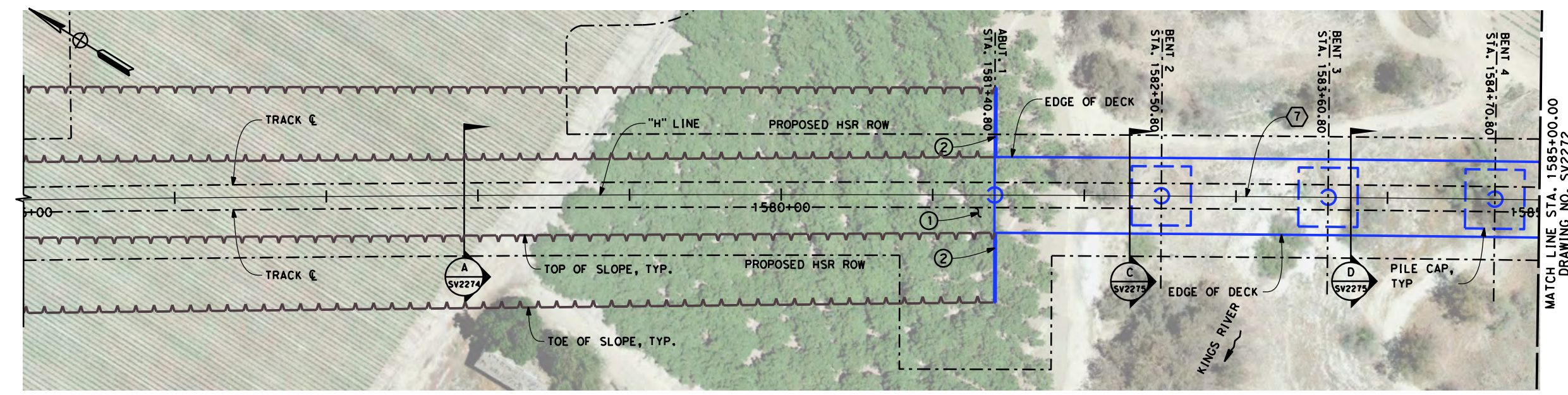
CURVE DATA

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ELEVATION
SCALE 1" = 40'



PLAN
SCALE 1" = 40'

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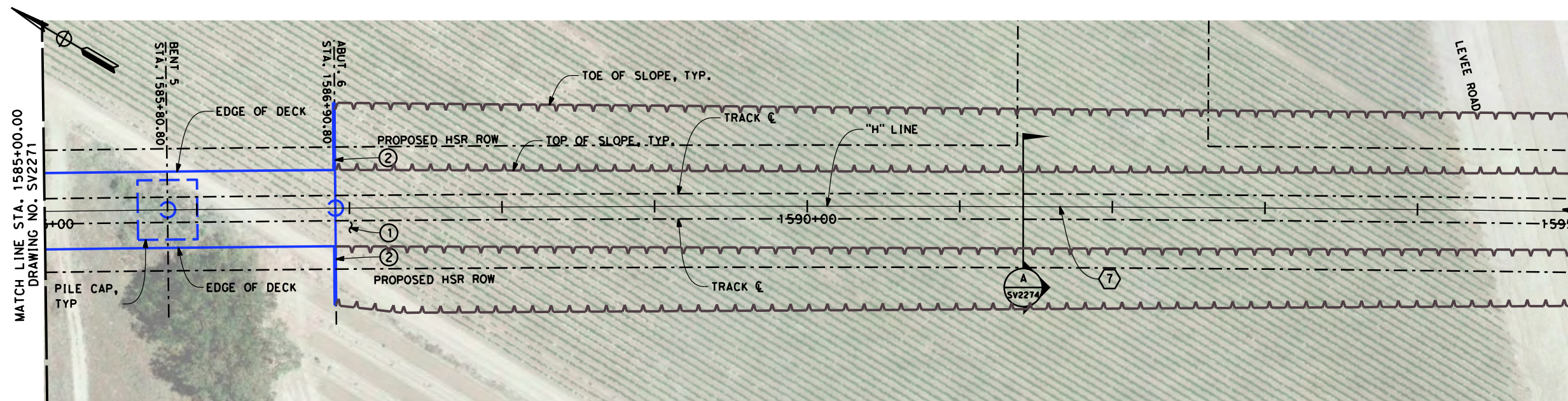
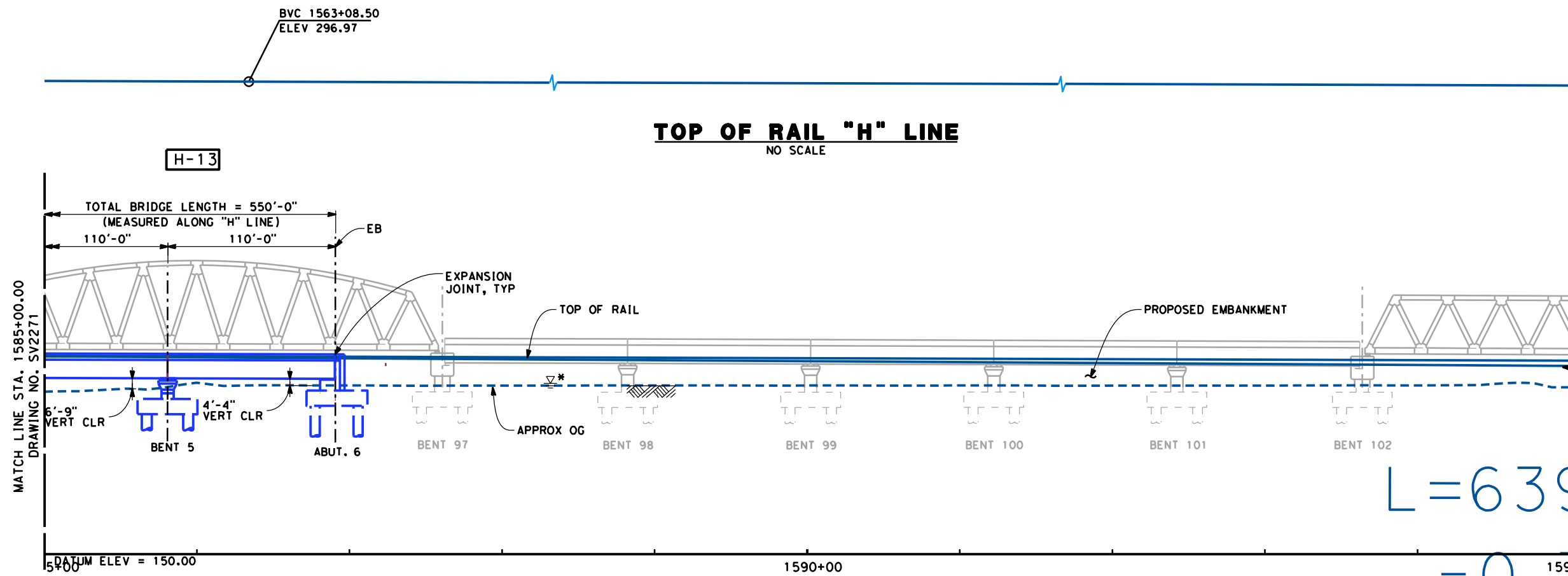
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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
KINGS RIVER VIADUCT
PLAN AND ELEVATION

CONTRACT NO.
HSR 06-0003
DRAWING NO.
SV2271
SCALE
AS SHOWN
SHEET NO.
14 OF 18

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dreeszega



NOTES

1. SUPERSTRUCTURE CONSTRUCTION, UON
CONTINUOUS SPANS - CIP/PS CONC.
BOX GIRDER
2. ELEVATED SLABS - PC BEAM AND
IN-SITU SLAB
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INFORMATION.

LEGEND:

- ① CEMENT TREATED STRUCTURE
BACKFILL
- ② RETAINING WALL

* ESTIMATED 100-YEAR FLOOD
ELEVATION, SEE "FRESNO TO
BAKERSFIELD CORRIDOR
HYDROLOGY, HYDRAULICS AND
DRAINAGE 15% DRAFT REPORT".

⊗ POINT OF MINIMUM CLEARANCE

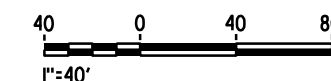
— RFP DESIGN

— DFS PROPOSED

CURVE DATA

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A. PRICE
CHECKED BY
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IN CHARGE
R. TREVETT
DATE
10/9/14

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

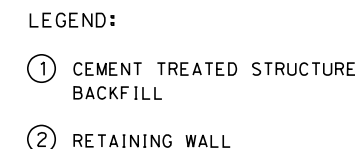


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
KINGS RIVER VIADUCT
PLAN AND ELEVATION

CONTRACT NO.
HSR 06-0003
DRAWING NO.
SV2272
SCALE
AS SHOWN
SHEET NO.
15 OF 18

1. SUPERSTRUCTURE CONSTRUCTION, UON
CONTINUOUS SPANS - CIP/PS CONC.
BOX GIRDER
2. ELEVATED SLABS - PC BEAM AND
IN-SITU SLAB
3. REFER TO TRACK ALIGNMENT DATA
TABLE FOR CURVE AND TANGENT
INFORMATION.

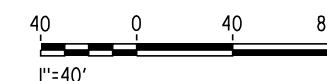


* ESTIMATED 100-YEAR FLOOD ELEVATION, SEE "FRESNO TO BAKERSFIELD CORRIDOR HYDROLOGY, HYDRAULICS AND DRAINAGE 15% DRAFT REPORT"

 POINT OF MINIMUM CLEARANCE

—— RFP DESIGN

— DFS PROPOSED



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	IN CHARGE R. TREVETT
	DATE 10/9/14

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CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

HANFORD SUBSECTION
 ALIGNMENT H
 HANFORD VIADUCT
 PLAN AND ELEVATION

CONTRACT NO.	HSR 06-0003
DRAWING NO.	SV2303
SCALE	AS SHOWN
SHEET NO.	4 OF 14

10/14/2014 11:47:22 AM c:\pwworking\nai\halld\0175683\X-FB-SV-2303-H-X.dgn

H-17

BB —

- EB

- EXPANSION
JOINT, TYP.

PROPOSED

TOP OF RAIL

TOP OF PARAPET -

APPROX OG

39

BENT 40

BENT 41

BENT 42

~~BENT~~ 43

CROSS VALLEY
RAILROAD

RENT 44

RENT 45

PROPOSED GROUNDLINE AT H-17 —

ABUT. 1

ABUT. 2

-RETAINING WALL, TYP.

0+00 DATUM ELEV = 150.00

1955+00

196

Plan view of the proposed high-speed rail alignment. The diagram shows the track layout, stationing, and surrounding infrastructure. Key features include:

- Track Layout:** The alignment consists of two main track sections. The upper section is labeled "H" LINE and includes a "TOP OF SLOPE, TYP." and "TOE OF SLOPE, TYP." boundary. The lower section is labeled "TOE OF SLOPE, TYP." and "PROPOSED HSR ROW".
- Stationing:** Station markers are shown at +00, 1955+00, and 1960+00. Specific abutment points are labeled: ABUT. 1 (STA. 1956+43.86) and ABUT. 2 (STA. 1957+51.86).
- Infrastructure:** A "CROSS VALLEY RAILROAD" is shown crossing the alignment. A "STORAGE TRACK" is located to the right of the main alignment.
- Proposed HSR ROW:** The Proposed High-Speed Rail Right-of-Way is indicated by a dashed line.
- Assumed CVRR ROW:** The Assumed CVRR Right-of-Way is indicated by a solid line.
- Edge of Deck:** The Edge of Deck is marked with a dashed line and a 20'-0" offset.
- Track Centerlines:** The centerlines of the tracks are marked with "CL TRACK".
- Numbered Callouts:** Circled numbers 1 and 2 are used to identify specific areas of interest, likely related to the bridge structure.

SCALE 1" = 40'

LEGEND:

- ① CEMENT TREATED STRUCTURE BACKFILL
- ② RETAINING WALL

* ESTIMATED 100-YEAR FLOOD
ELEVATION, SEE "FRESNO TO
BAKERSFIELD CORRIDOR
HYDROLOGY, HYDRAULICS AND
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 POINT OF MINIMUM CLEARANCE

RFP DESIGN

— DFS PROPOSED



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CHECKED BY G. DREESZEN
IN CHARGE R. TREVETT
DATE 10/9/14

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CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

HANFORD SUBSECTION
ALIGNMENT H
HANFORD VIADUCT
PLAN AND ELEVATION

CONTRACT NO.
HSR 06-0003

DRAWING NO.
SV2306

SCALE
AS SHOWN

SHEET NO.
7 OF 14

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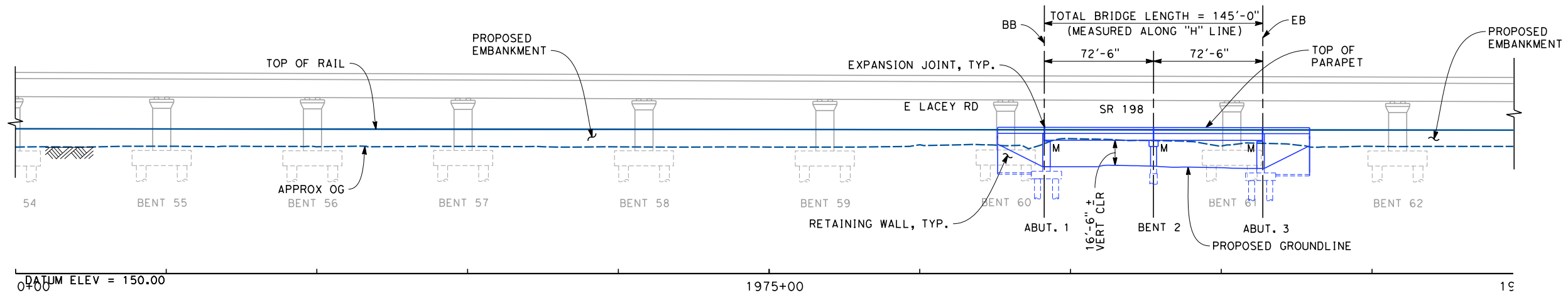
EVC 1964+76.01
ELEV 278.87

-0.083%

TOP OF RAIL "H" LINE

NO SCALE

H-18



ELEVATION

SCALE 1" = 40'



PLAN

SCALE 1" = 40'

NOTES

1. SUPERSTRUCTURE CONSTRUCTION, UON
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LEGEND:

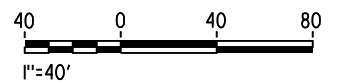
- ① CEMENT TREATED STRUCTURE
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R. TREVETT
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10/9/14

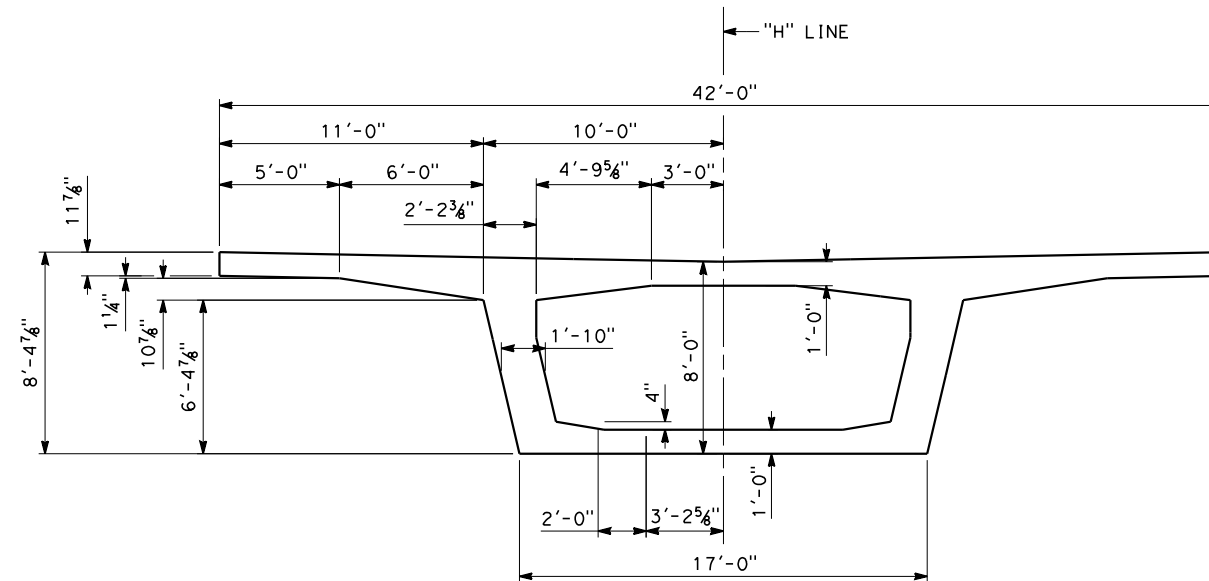
RECORD SET 15%
DESIGN SUBMISSION
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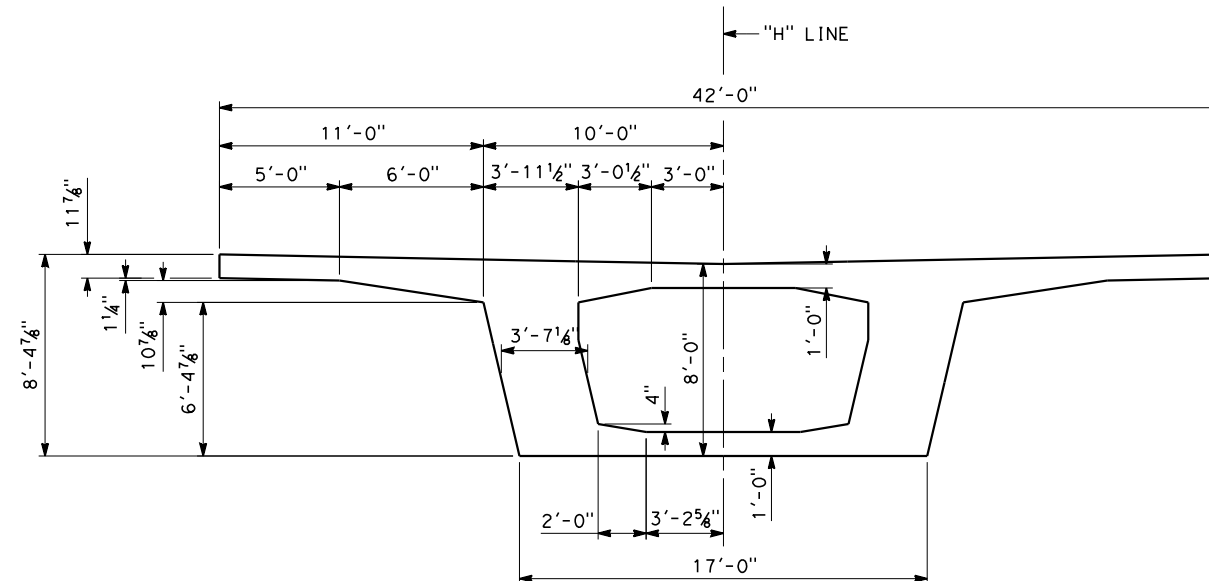
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HANFORD SUBSECTION
ALIGNMENT H
HANFORD VIADUCT
PLAN AND ELEVATION

CONTRACT NO.
HSR 06-0003
DRAWING NO.
SV2308
SCALE
AS SHOWN
SHEET NO.
9 OF 14



TYPICAL SECTION
DIMENSIONS SYMMETRICAL ABOUT C



SECTION AT ABUTMENT
DIMENSIONS SYMMETRICAL ABOUT C

H-1 100' SPAN TYPICAL SECTIONS

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DESIGN SUBMISSION**

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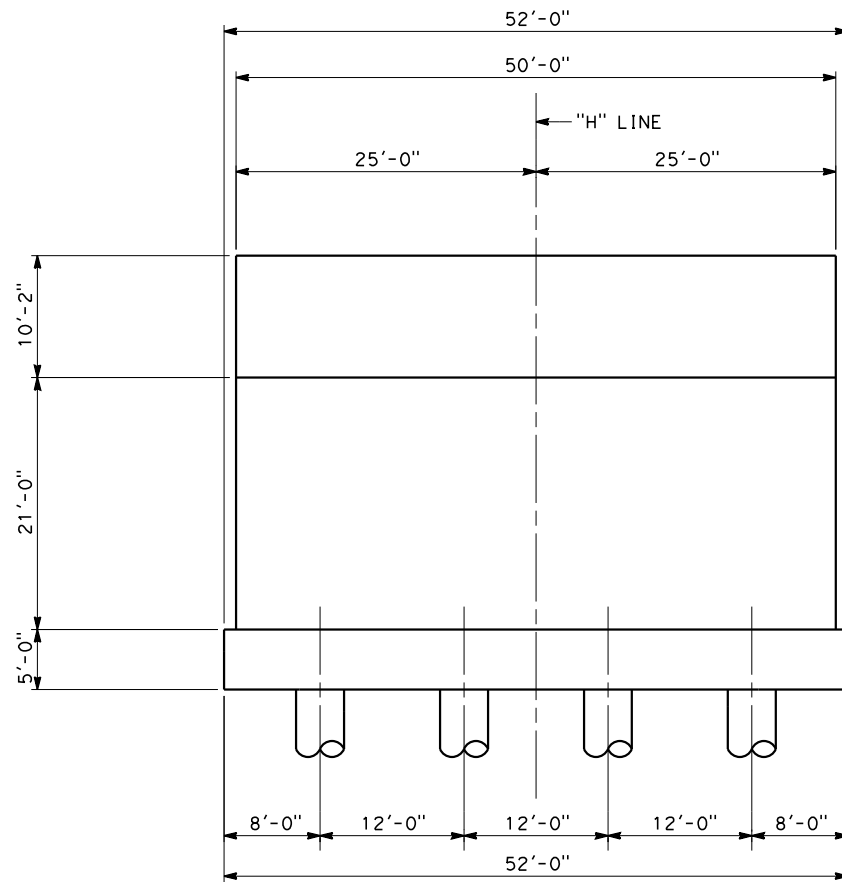
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CONSTRUCTION**



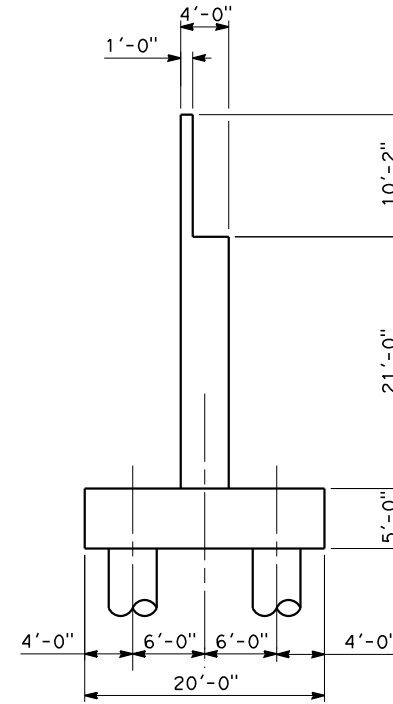
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
HANFORD VIADUCT
TYPICAL SECTIONS

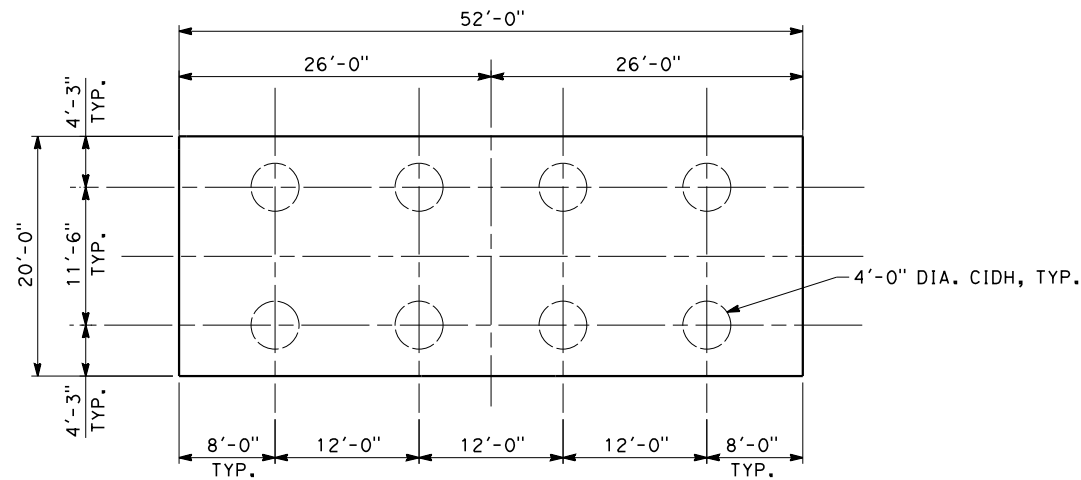
CONTRACT NO.	HSR 06-0003
DRAWING NO.	SVXX06
SCALE	AS SHOWN
SHEET NO.	1 OF 23



ELEVATION



SECTION



FOOTING PLAN

H-1 ABUTMENT

DISCLAIMER:
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DESIGNED BY
K. LEE
DRAWN BY
A. PRICE
CHECKED BY
G. DREESZEN
IN CHARGE
R. TREVETT
DATE
10/09/14

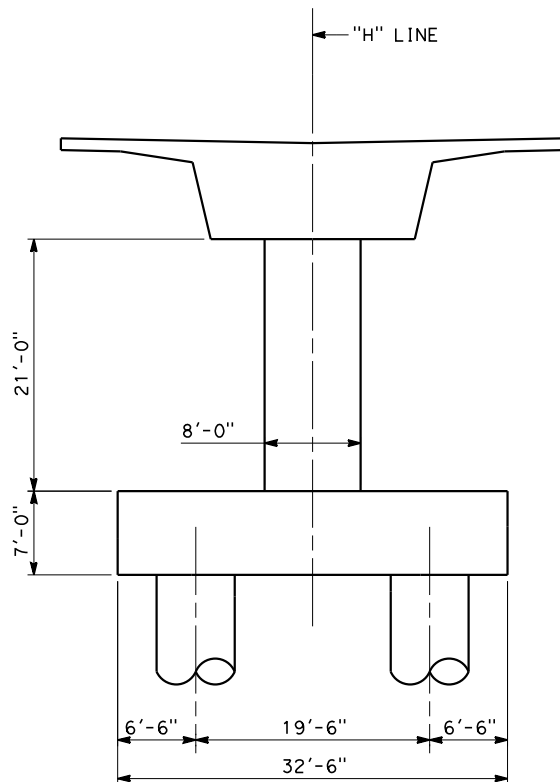
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DESIGN SUBMISSION**

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CONSTRUCTION**

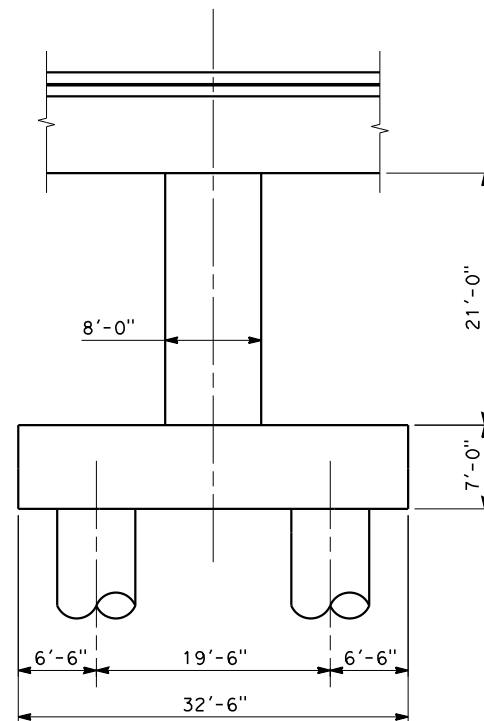


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
HANFORD VIADUCT
TYPICAL SECTIONS

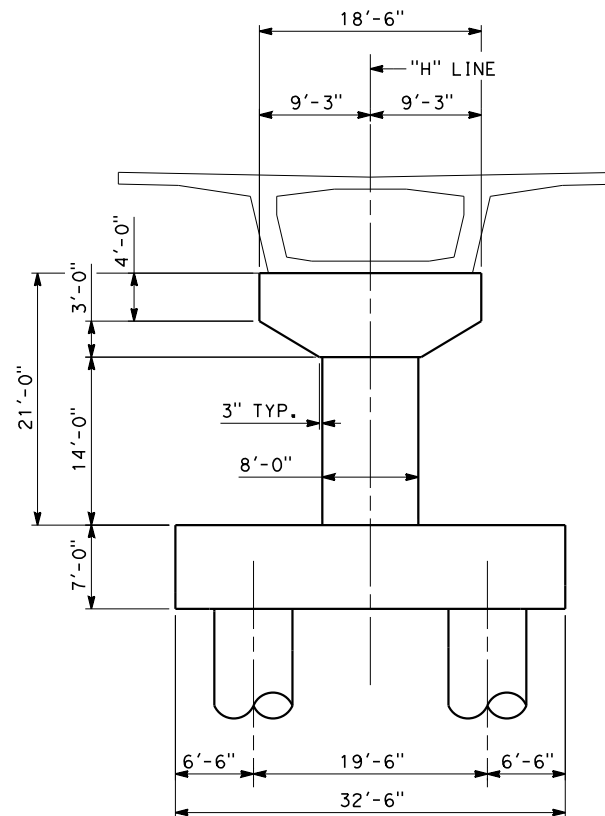
CONTRACT NO.
HSR 06-0003
DRAWING NO.
SVXX04
SCALE
AS SHOWN
SHEET NO.
2 OF 23



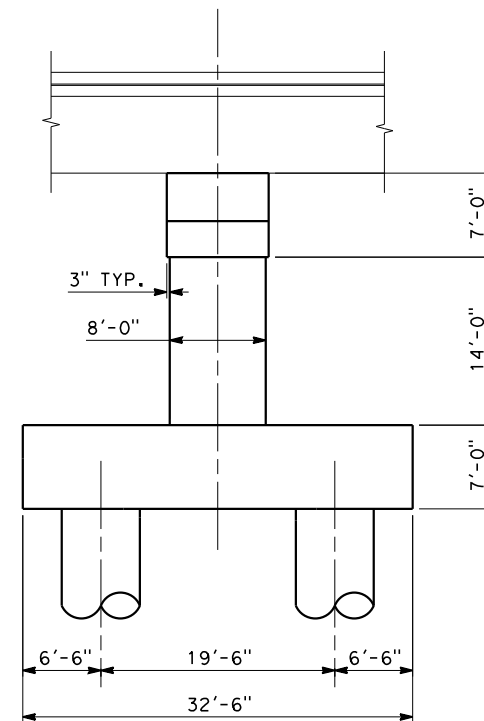
ELEVATION AT BENT 2
(AT FIXED ENDS)



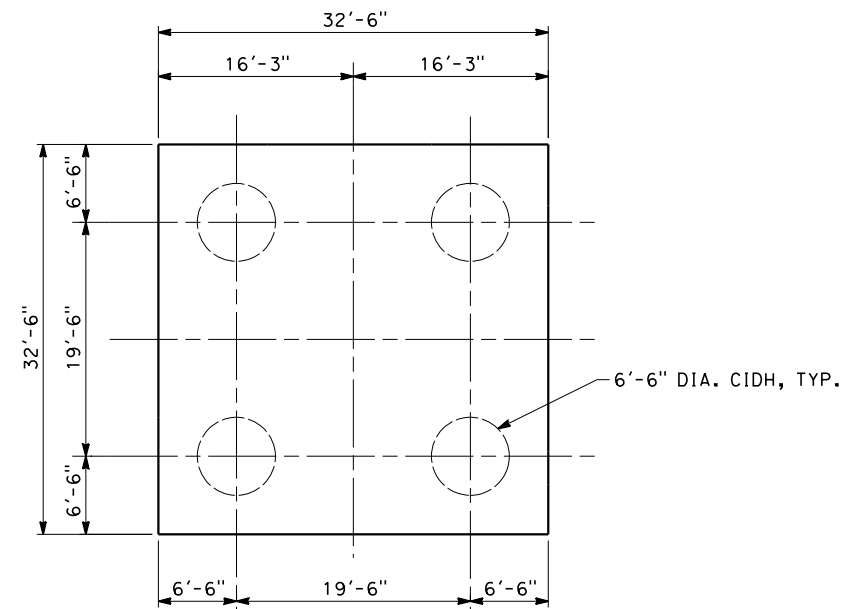
SECTION AT BENT 2
(AT FIXED ENDS)



ELEVATION AT BENT 3
(AT EXPANSION ENDS)



SECTION AT BENT 3
(AT EXPANSION ENDS)



FOOTING PLAN

H-1 BENT

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R. TREVETT
DATE
10/09/14

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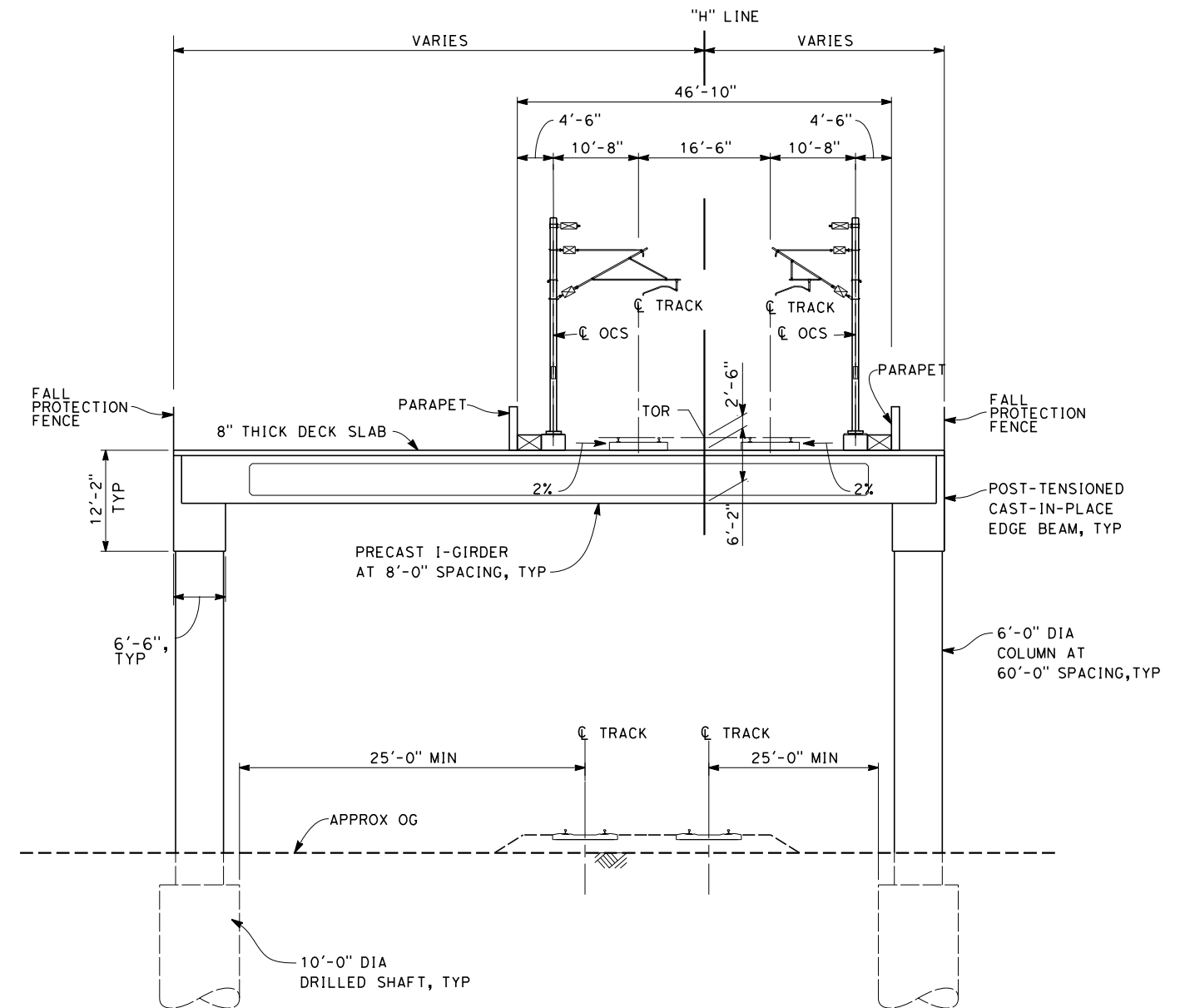


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
HANFORD VIADUCT
TYPICAL SECTIONS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
SVXX05
SCALE
AS SHOWN
SHEET NO.
3 OF 23

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dreeszeg



TYPICAL SECTION

SCALE: 1" = 10'

ELEVATED SLAB STRUCTURE

H-2 TYPICAL SECTION



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DATE 10/09/14

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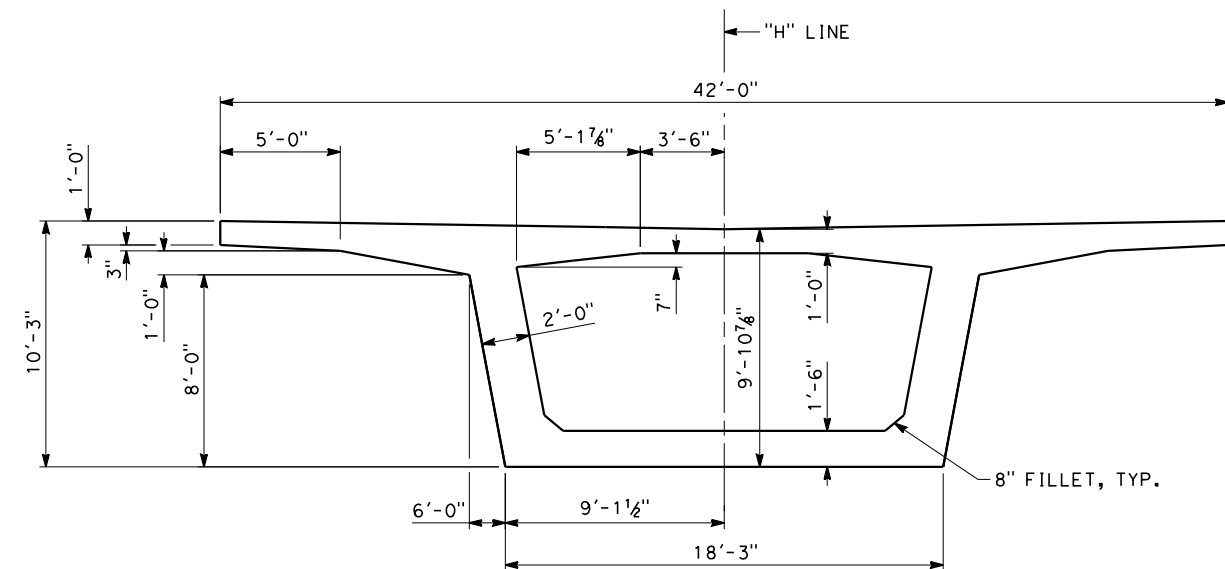
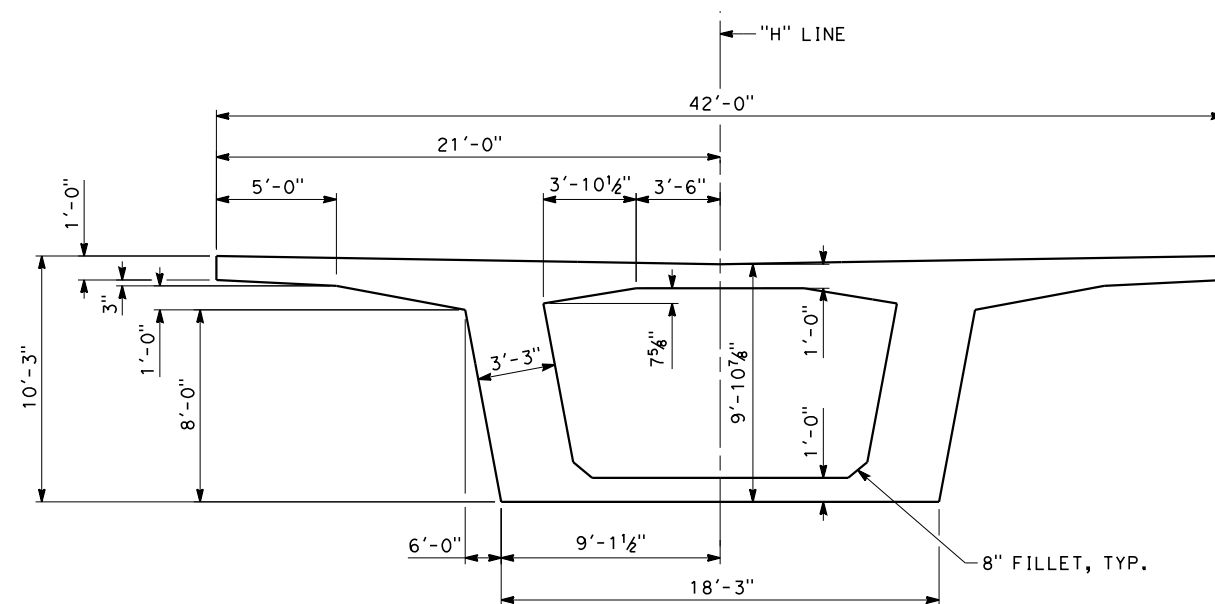
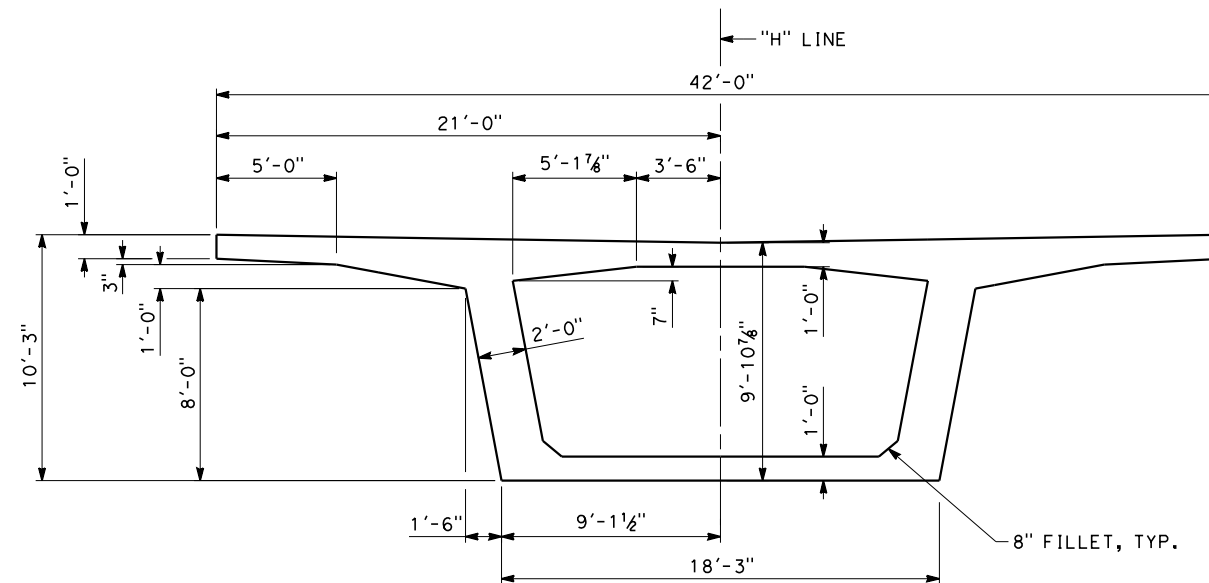


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

HANFORD SUBSECTION
ALIGNMENT H
CONEJO VIADUCT
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. SV2227
SCALE AS SHOWN
SHEET NO. 4 OF 23



H-3 120' SPAN TYPICAL SECTIONS

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	IN CHARGE R. TREVETT
	DATE 10/09/14

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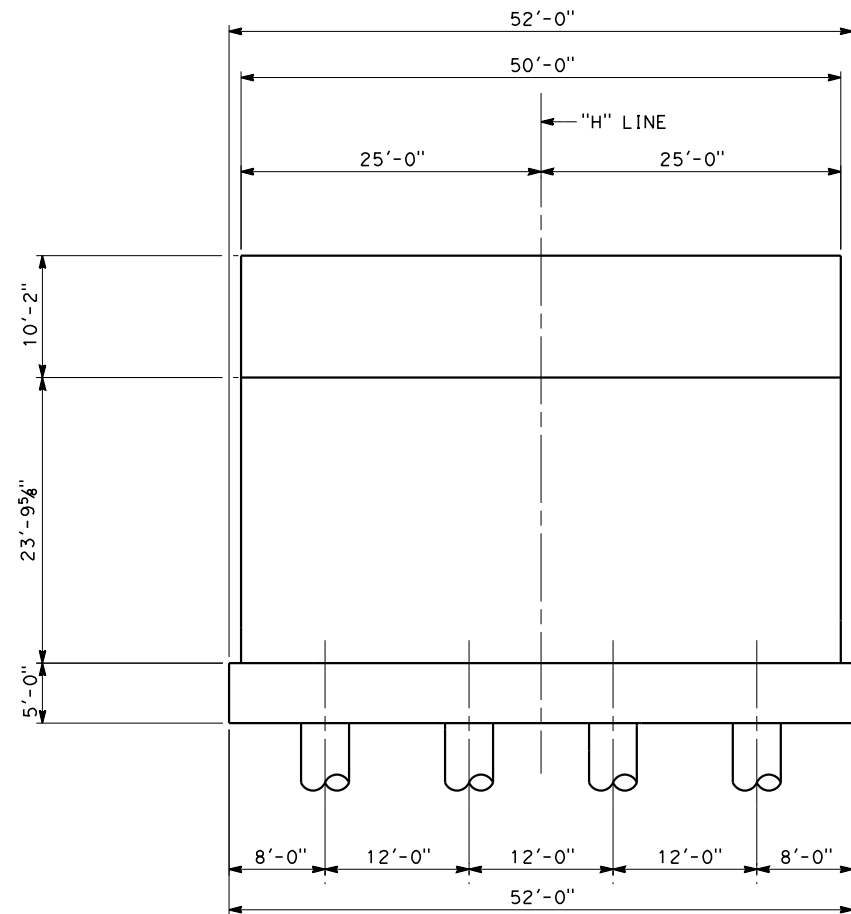


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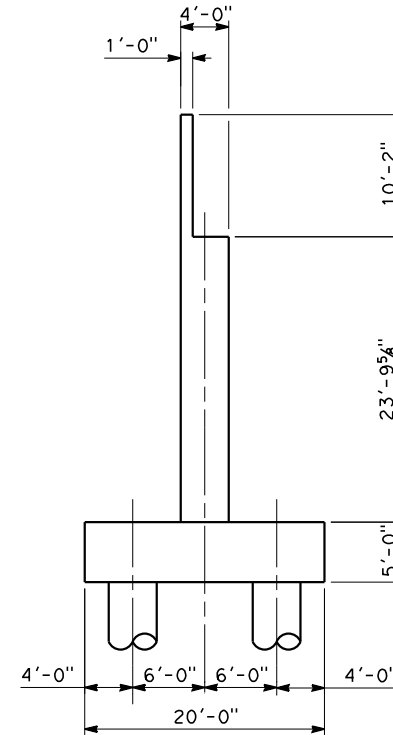
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
HANFORD VIADUCT
TYPICAL SECTIONS

CONTRACT NO.	HSR 06-0003
DRAWING NO.	SVXX07
SCALE	AS SHOWN
SHEET NO.	5 OF 23

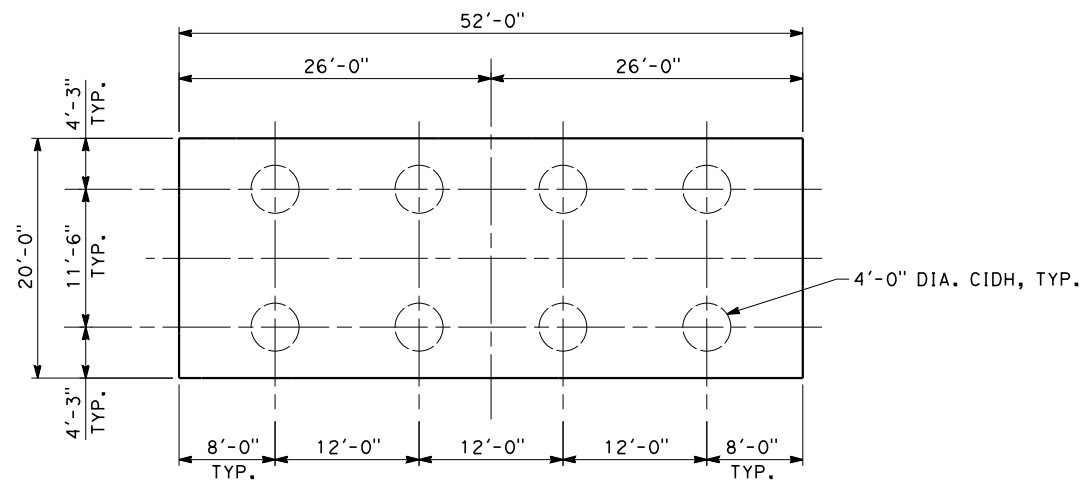
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hal\l



ELEVATION



SECTION



FOOTING PLAN

H-3 ABUTMENT

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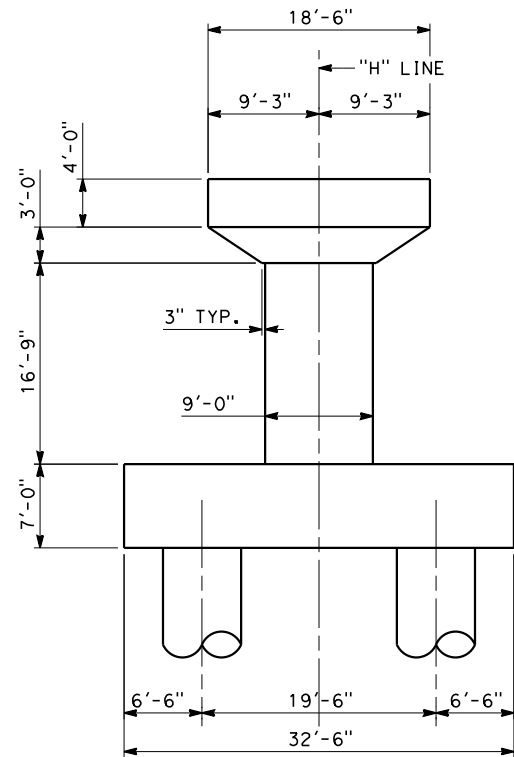
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FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
HANFORD VIADUCT
TYPICAL SECTIONS

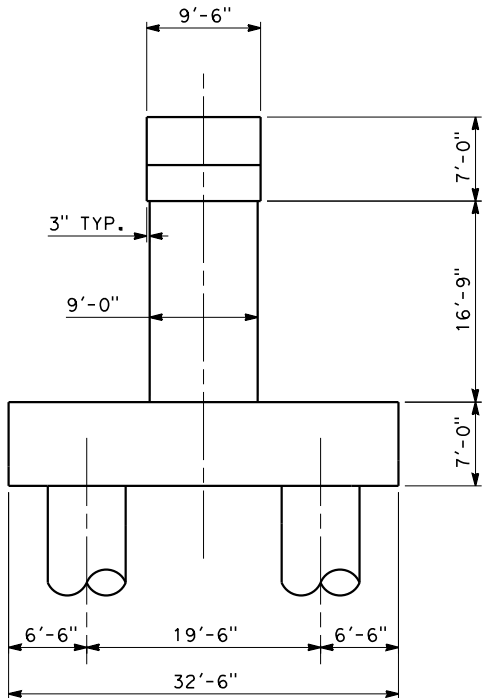
CONTRACT NO.	HSR 06-0003
DRAWING NO.	SVXX08
SCALE	AS SHOWN
SHEET NO.	6 OF 23

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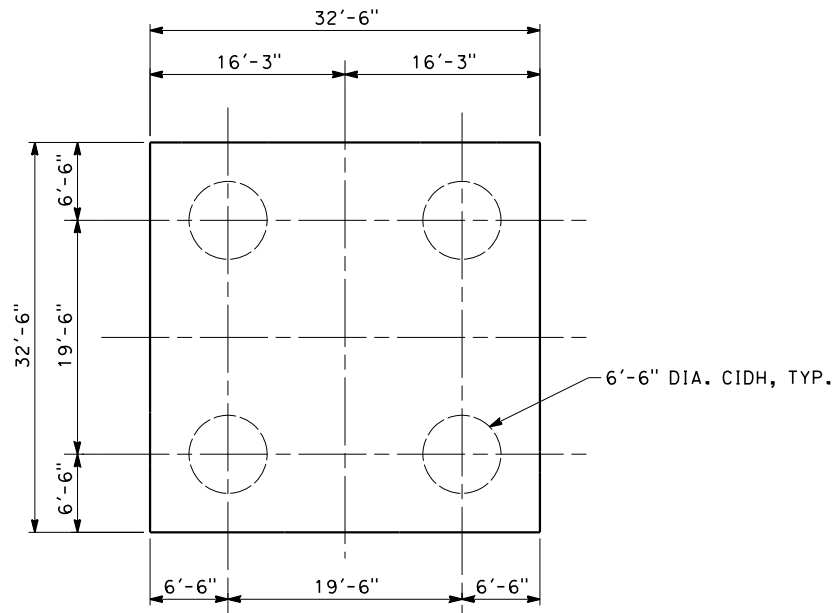
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ELEVATION



SECTION



FOOTING PLAN

H-3 BENT 4

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R. TREVETT
DATE
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
HANFORD VIADUCT
TYPICAL SECTIONS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
SVXX09
SCALE
AS SHOWN
SHEET NO.
7 OF 23



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
HANFORD VIADUCT
TYPICAL SECTIONS

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IN CHARGE	R. TREVETT
DATE	10/09/14

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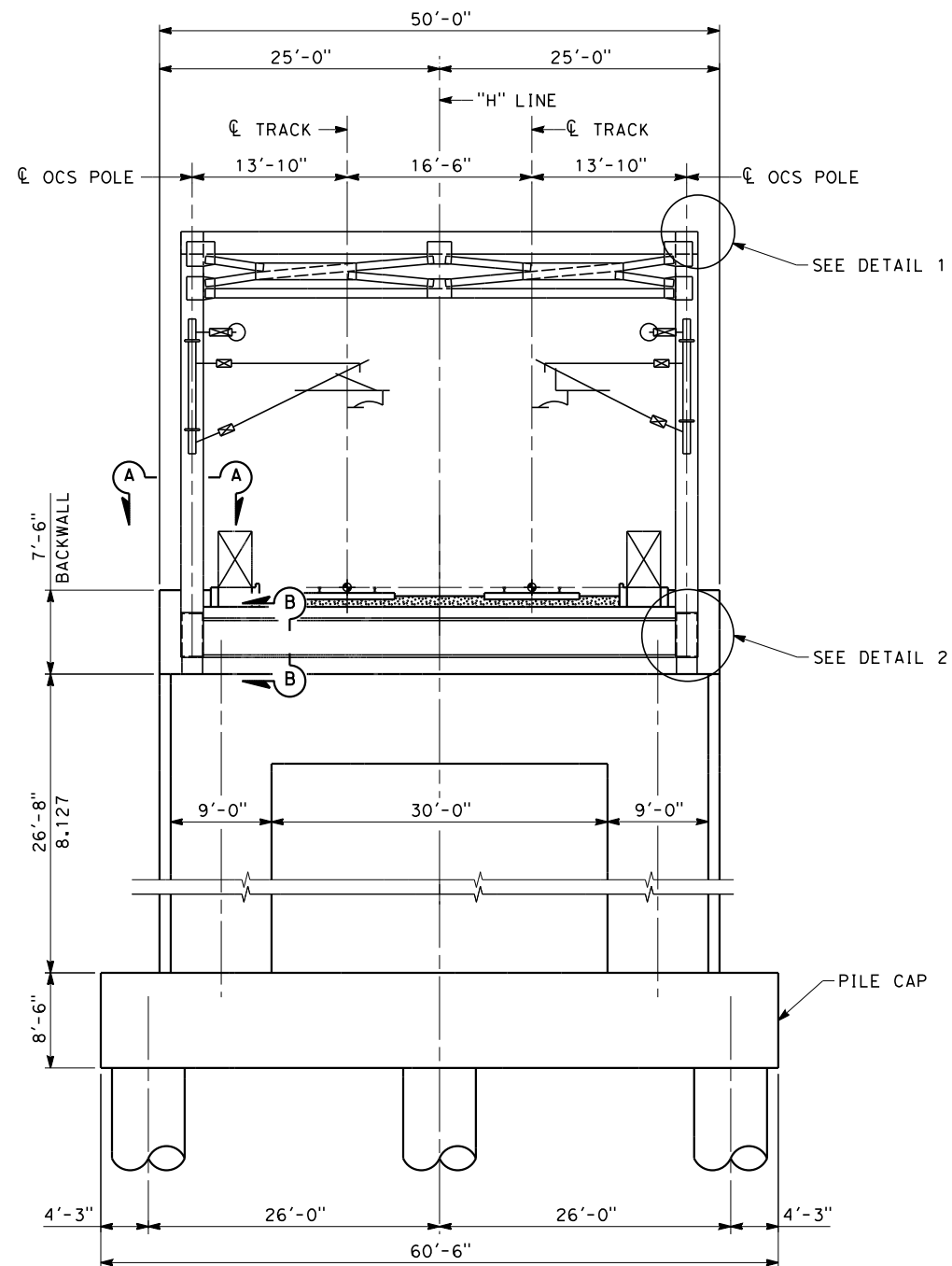
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CONSTRUCTION**



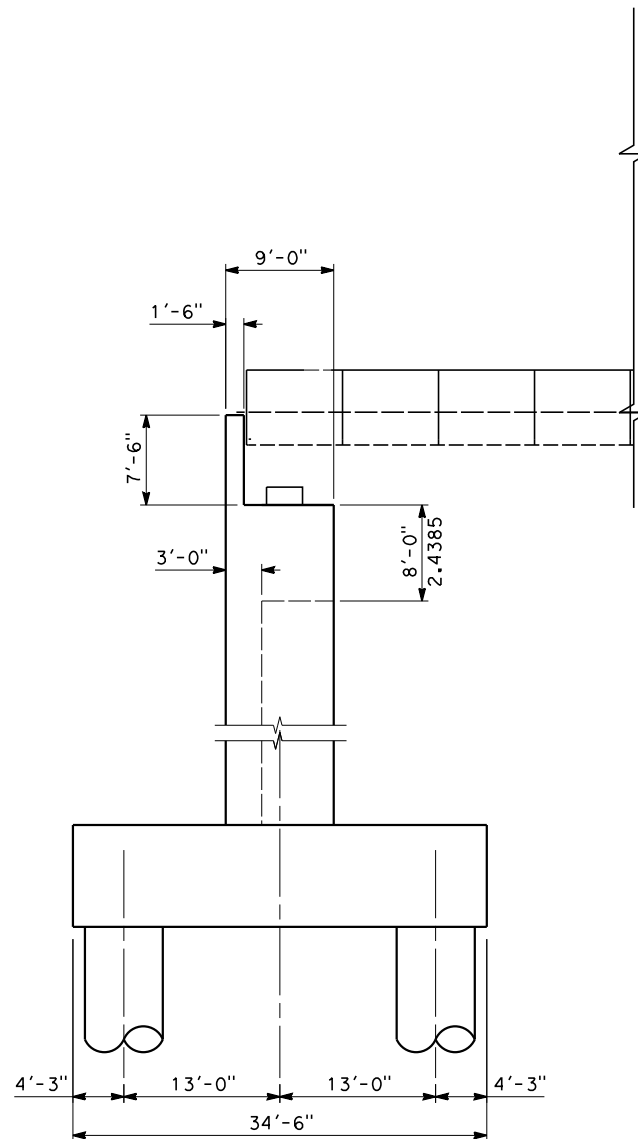
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CONTRACT NO.	HSR 06-0003
DRAWING NO.	SVXX10
SCALE	AS SHOWN
SHEET NO.	8 OF 23

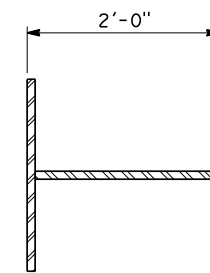
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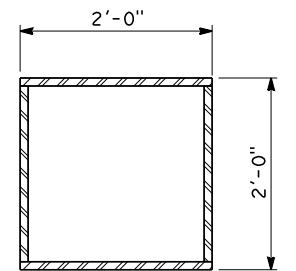
ELEVATION



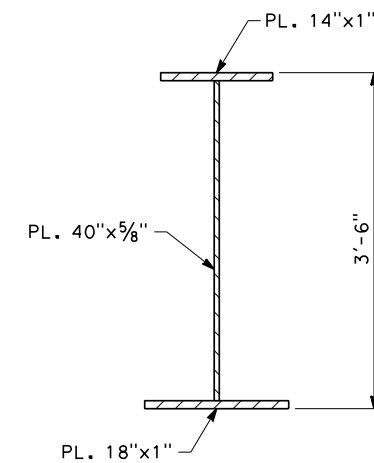
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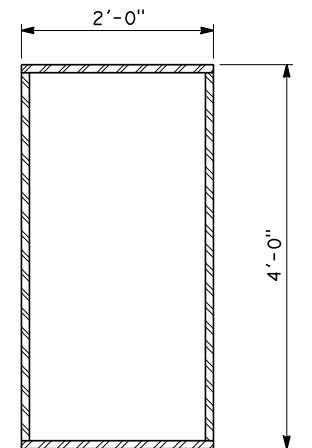
SECTION A



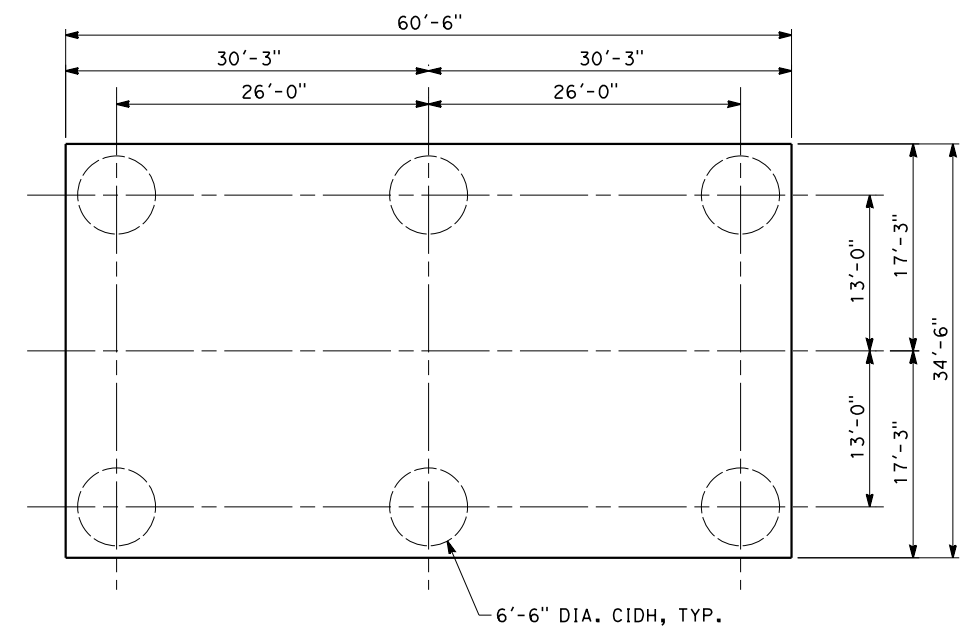
DETAIL 1



SECTION B



DETAIL 2



FOOTING PLAN

**TRUSS ABUTMENTS AT H-5 & H-10
SUPPORTING 182' TRUSS**

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K. LEE
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A. PRICE
CHECKED BY
G. DREESZEN
IN CHARGE
R. TREVETT
DATE
10/09/14

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DESIGN SUBMISSION**

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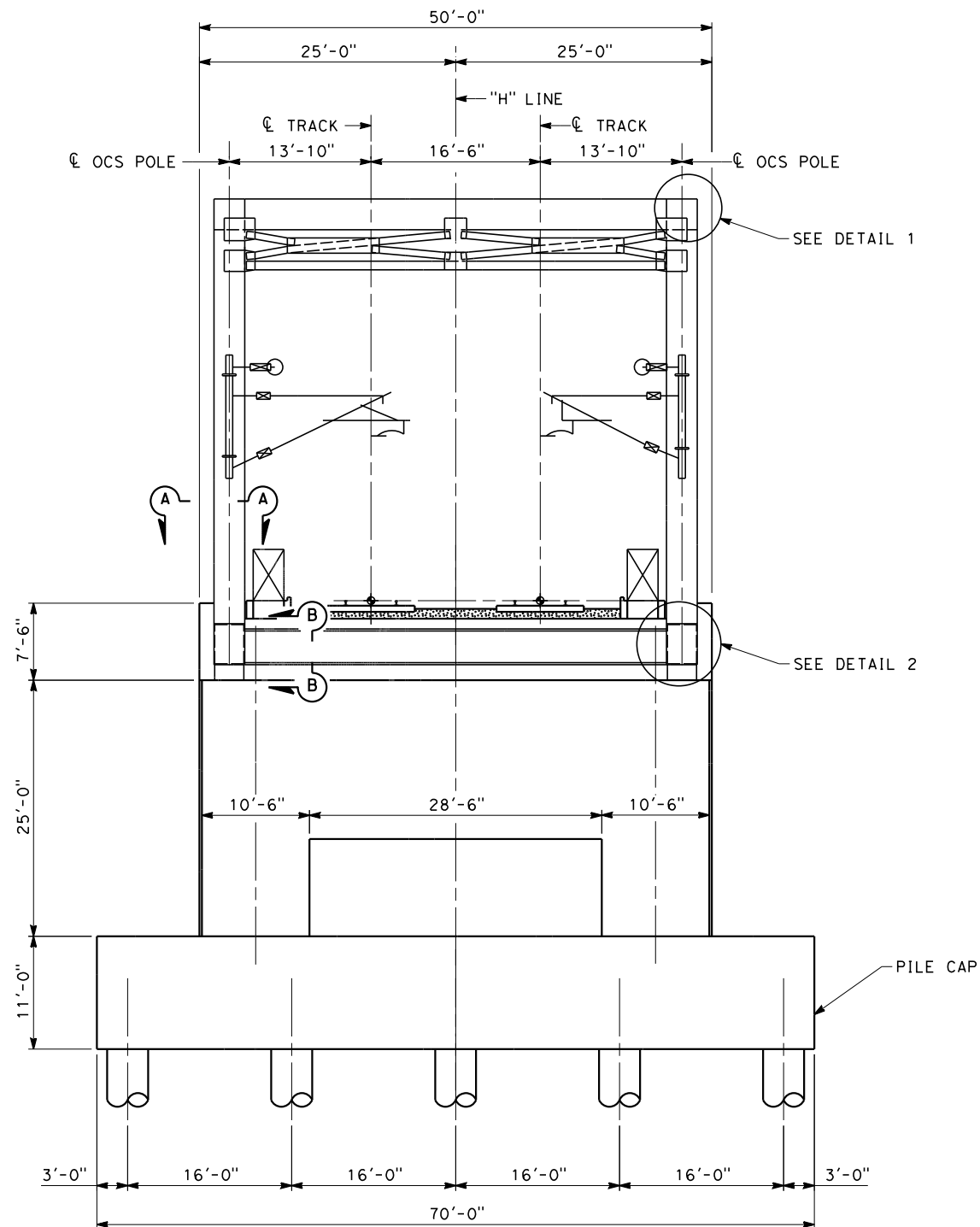


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

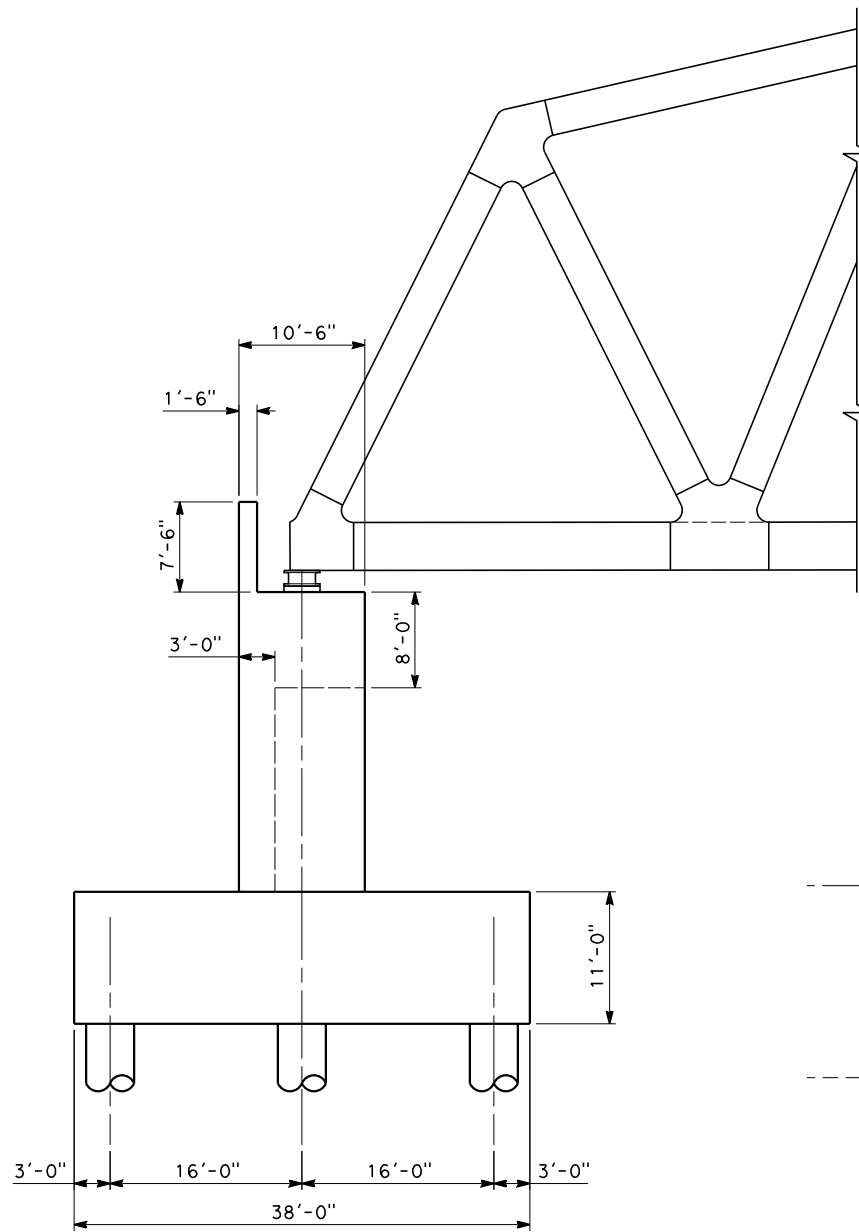
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
HANFORD VIADUCT
TYPICAL SECTIONS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
SVXX01
SCALE
AS SHOWN
SHEET NO.
9 OF 23

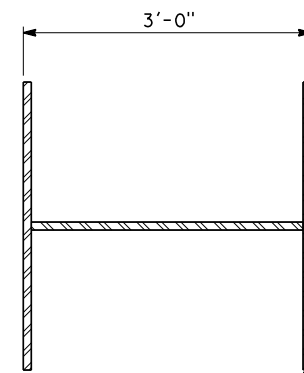
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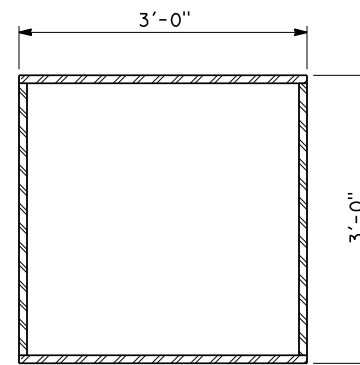
ELEVATION



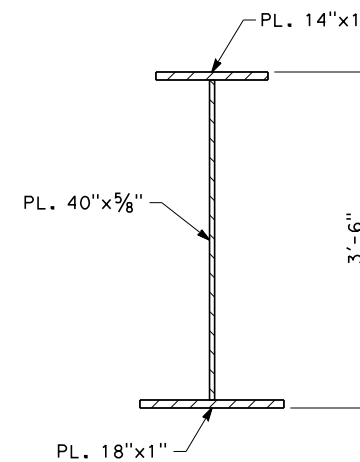
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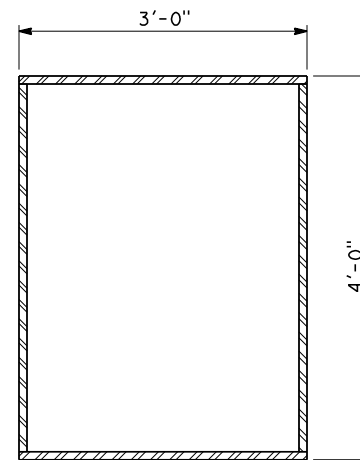
SECTION A



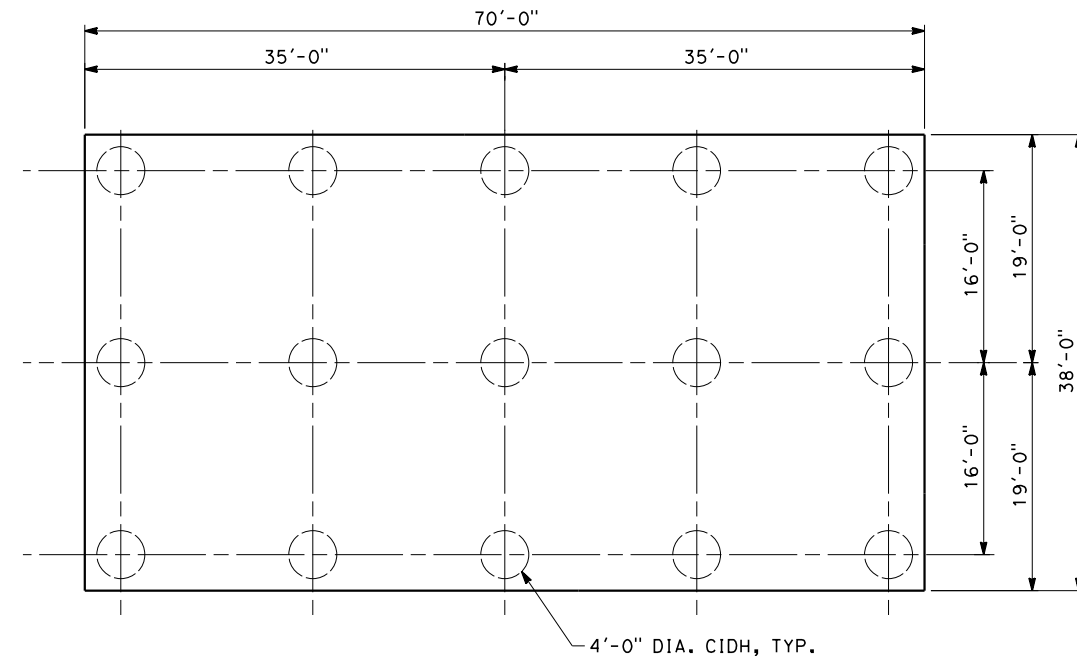
DETAIL 1



SECTION B



DETAIL 2



FOOTING PLAN

**TRUSS ABUTMENTS AT H-7
SUPPORTING 357' TRUSS**

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K. LEE
DRAWN BY
A. PRICE
CHECKED BY
G. DREESZEN
IN CHARGE
R. TREVETT
DATE
10/09/14

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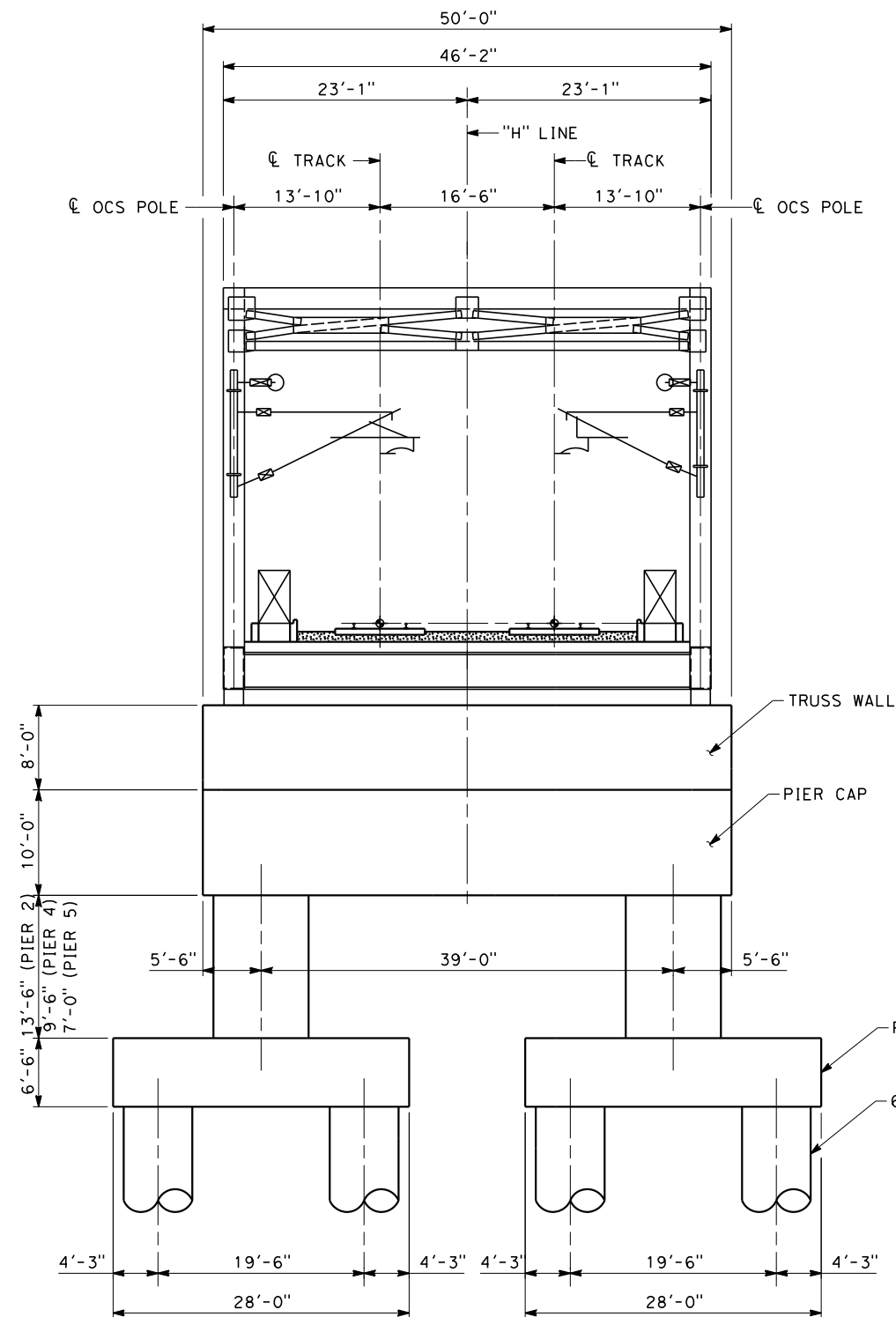


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HIGH-SPEED RAIL AUTHORITY

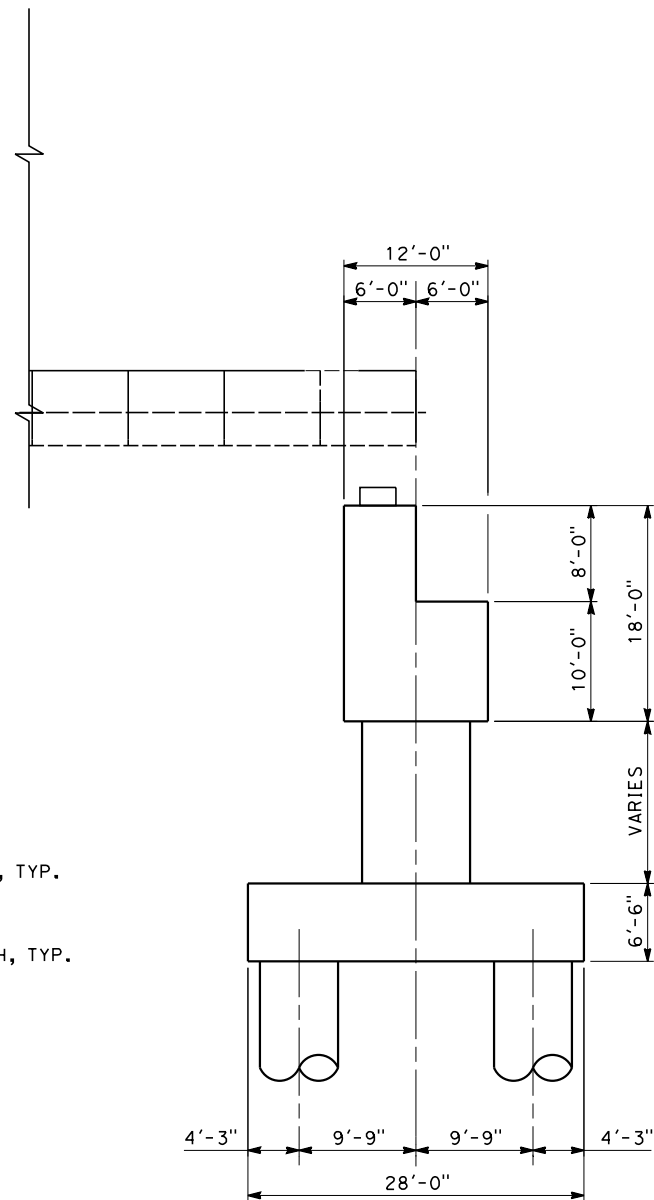
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
HANFORD VIADUCT
TYPICAL SECTIONS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
SVXX02
SCALE
AS SHOWN
SHEET NO.
10 OF 23

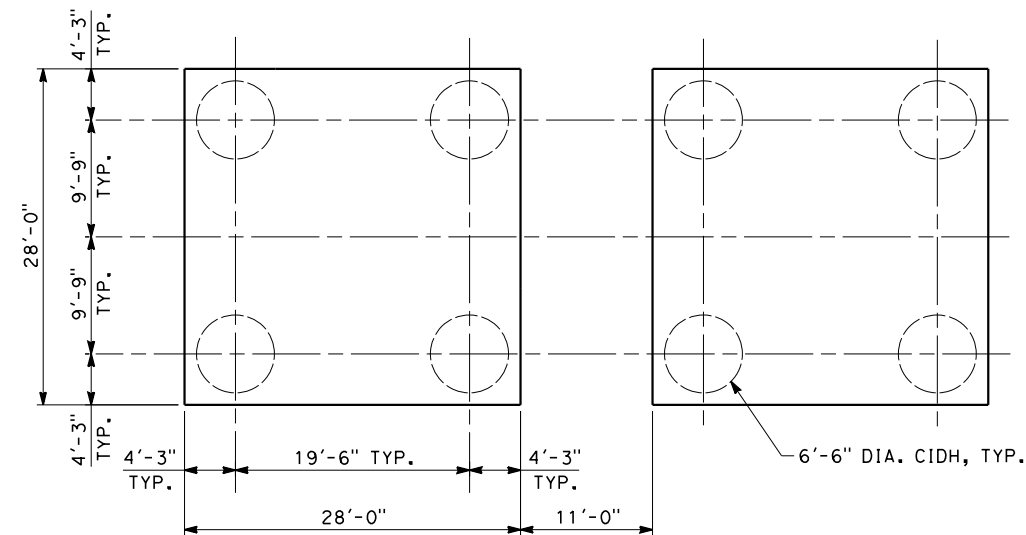
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hal\id



ELEVATION



SECTION



FOOTING PLAN

**TRUSS PIERS 2, 4, & 5 AT H-10
SUPPORTING 182' TRUSS**

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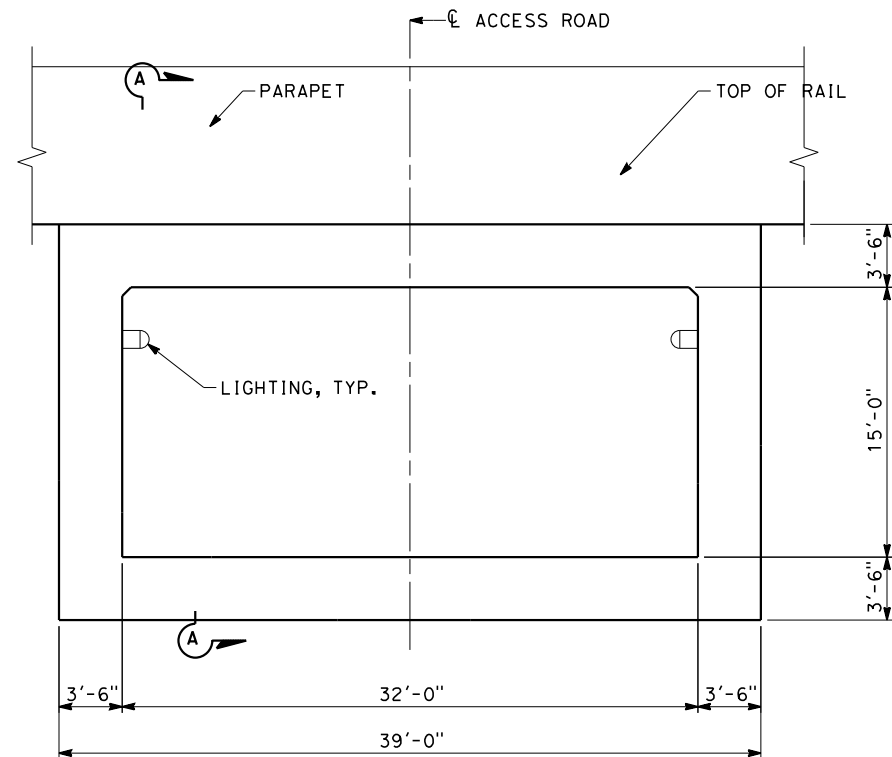
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CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

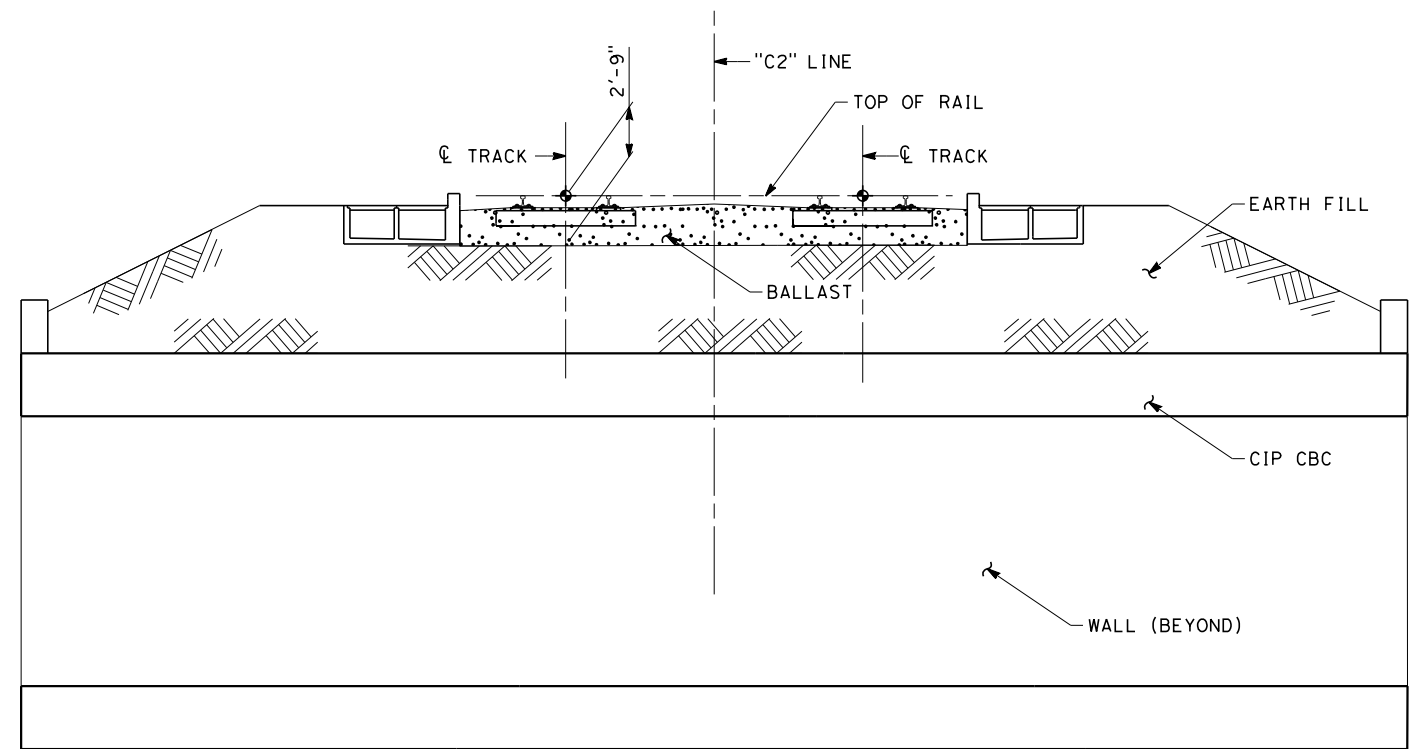
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
HANFORD VIADUCT
TYPICAL SECTIONS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
SVXX03
SCALE
AS SHOWN
SHEET NO.
11 OF 23



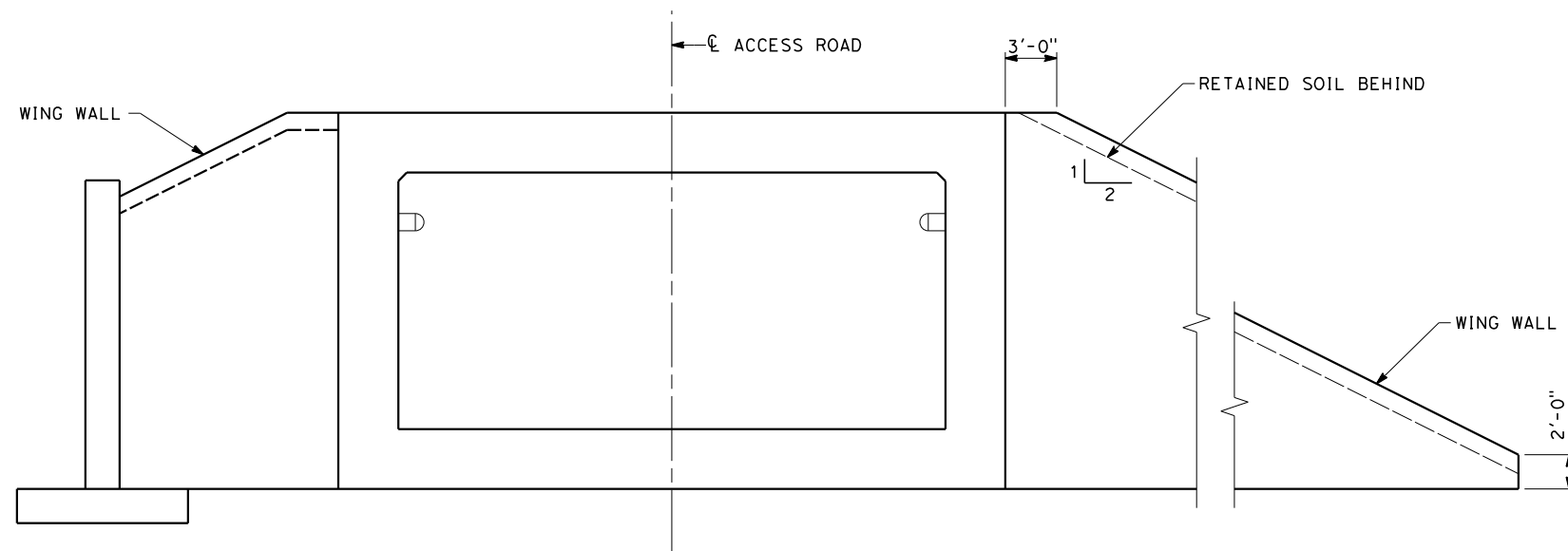
TYPICAL LONGITUDINAL SECTION

SCALE: $\frac{3}{16}$ " = 1'-0"



SECTION A-A

SCALE: $\frac{3}{16}$ " = 1'-0"



END SECTION

SCALE: $\frac{3}{16}$ " = 1'-0"

H-9 BOX CULVERT

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IN CHARGE R. TREVETT
DATE 10/09/14

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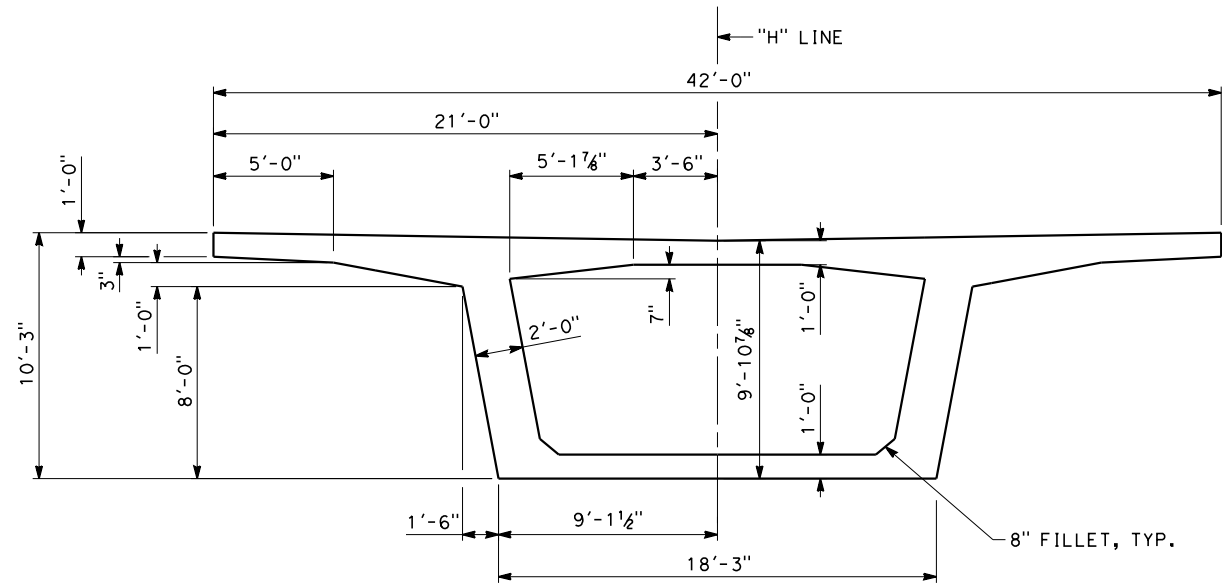
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
HANFORD VIADUCT
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. SVXX11
SCALE AS SHOWN
SHEET NO. 12 OF 23

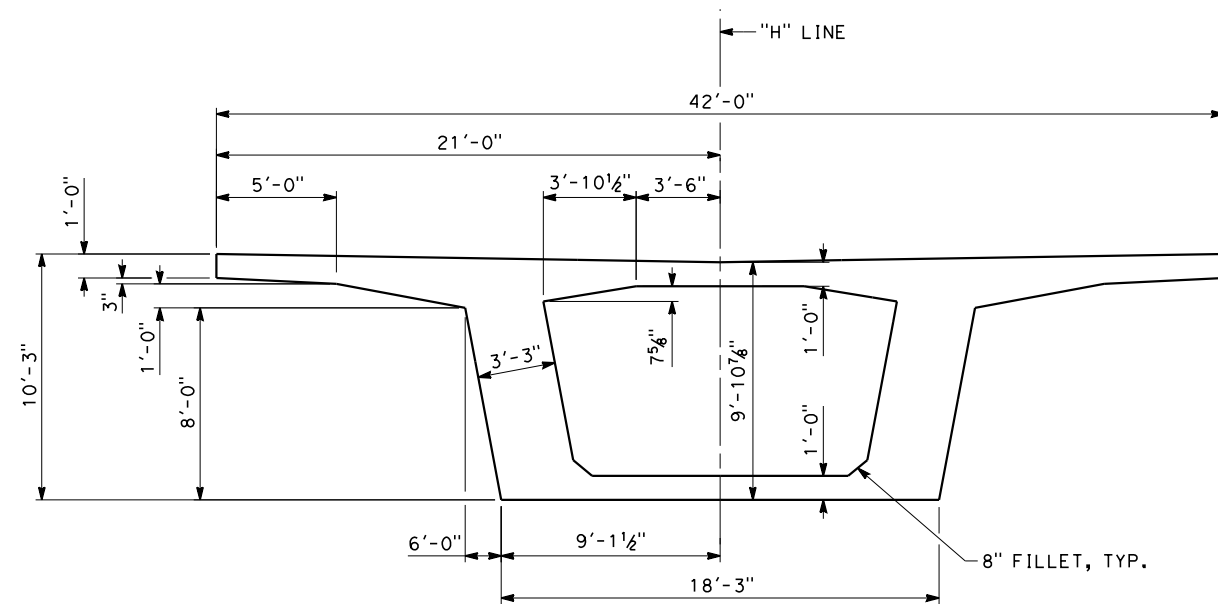
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hal\dl



TYPICAL SECTION

DIMENSIONS SYMMETRICAL ABOUT C



SECTION AT ABUTMENT

DIMENSIONS SYMMETRICAL ABOUT C

H-11 120' SPAN TYPICAL SECTIONS

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DATE	10/09/14

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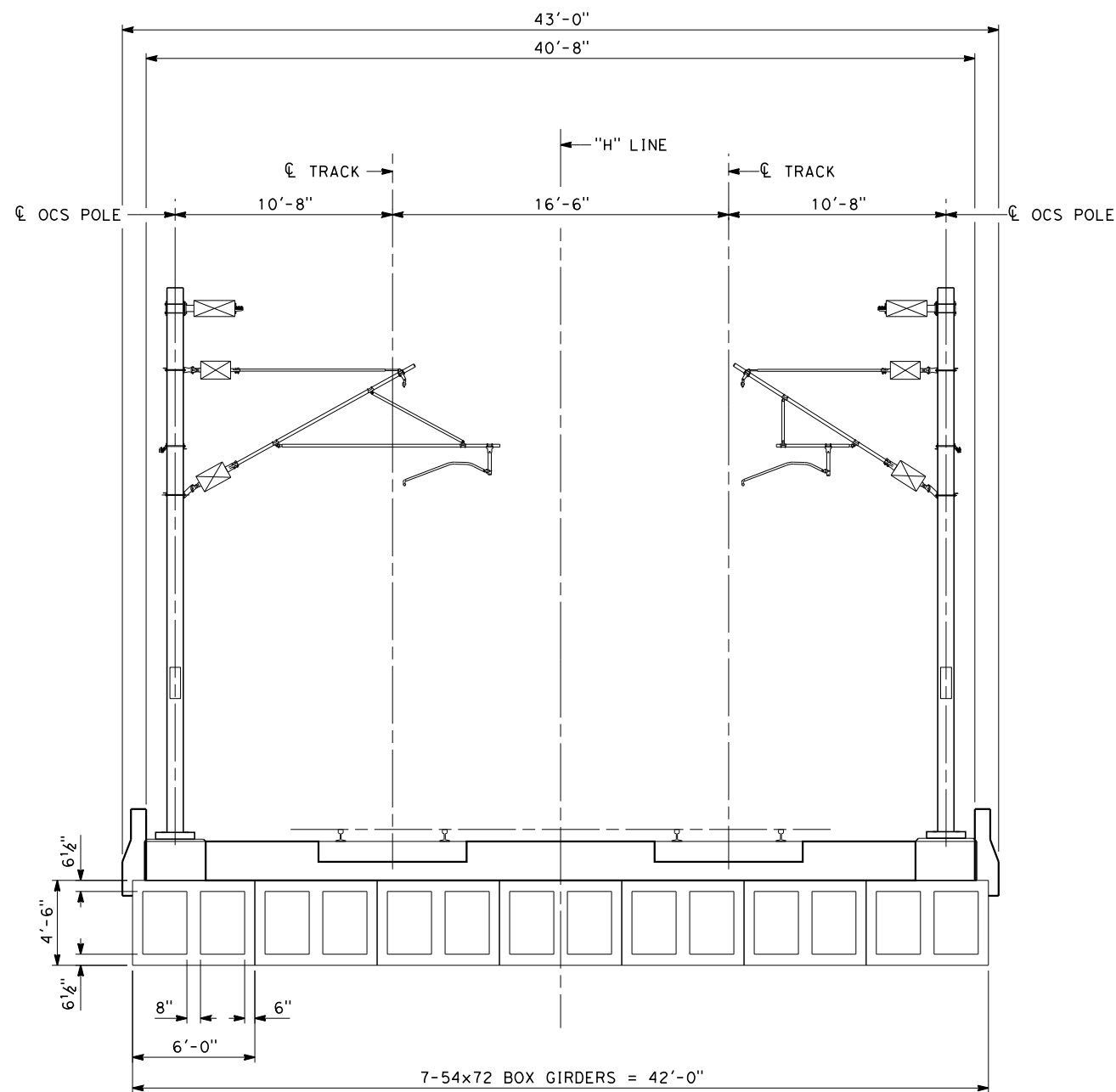


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

HANFORD SUBSECTION
ALIGNMENT H
KINGS RIVER VIADUCT
TYPICAL SECTIONS

CONTRACT NO.	HSR 06-0003
DRAWING NO.	SVXX07
SCALE	AS SHOWN
SHEET NO.	13 OF 23



SECTION AT SPAN
SCALE: 1/4" = 1'-0"

H-12 TYPICAL SECTION

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DESIGNED BY
K. LEE
DRAWN BY
A. PRICE
CHECKED BY
G. DREESZEN
IN CHARGE
R. TREVETT
DATE
10/09/14

**RECORD SET 15%
DESIGN SUBMISSION**

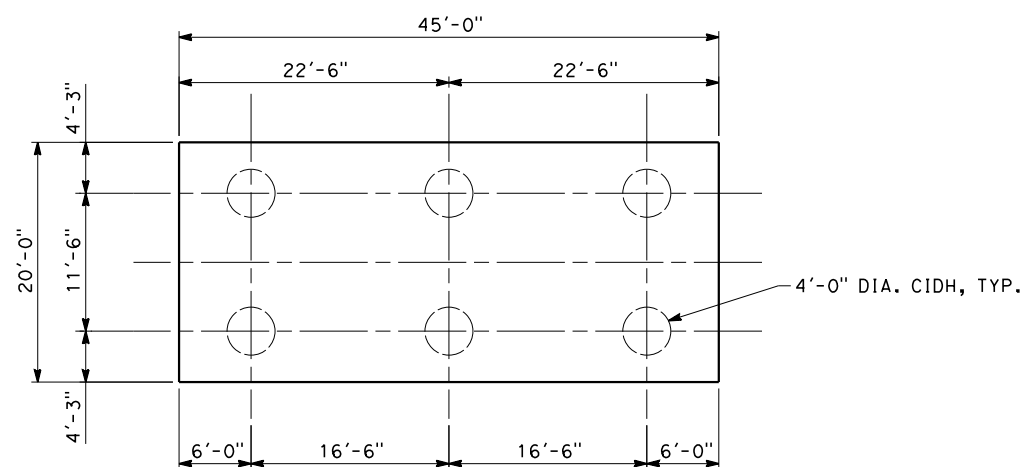
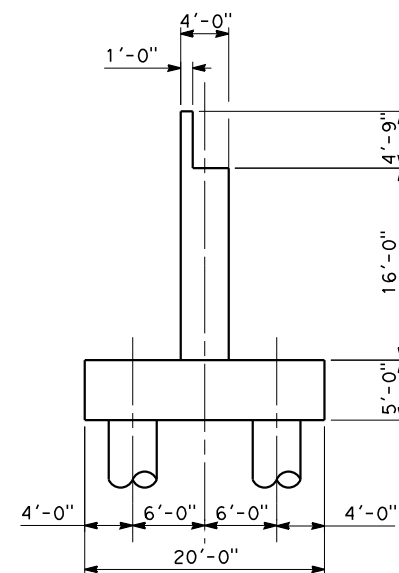
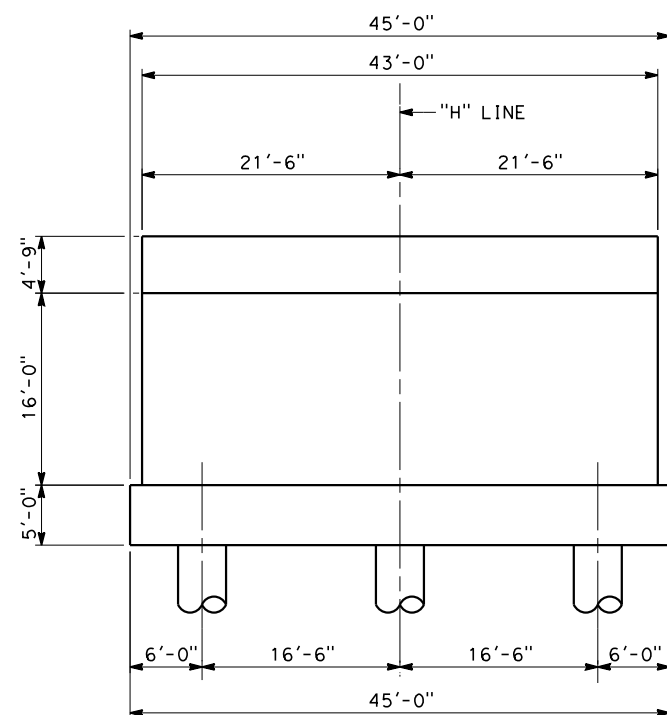
**NOT FOR
CONSTRUCTION**



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
KINGS RIVER VIADUCT
TYPICAL SECTIONS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
SVXX01
SCALE
AS SHOWN
SHEET NO.
14 OF 23



H-12 ABUTMENT

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DESIGN SUBMISSION**

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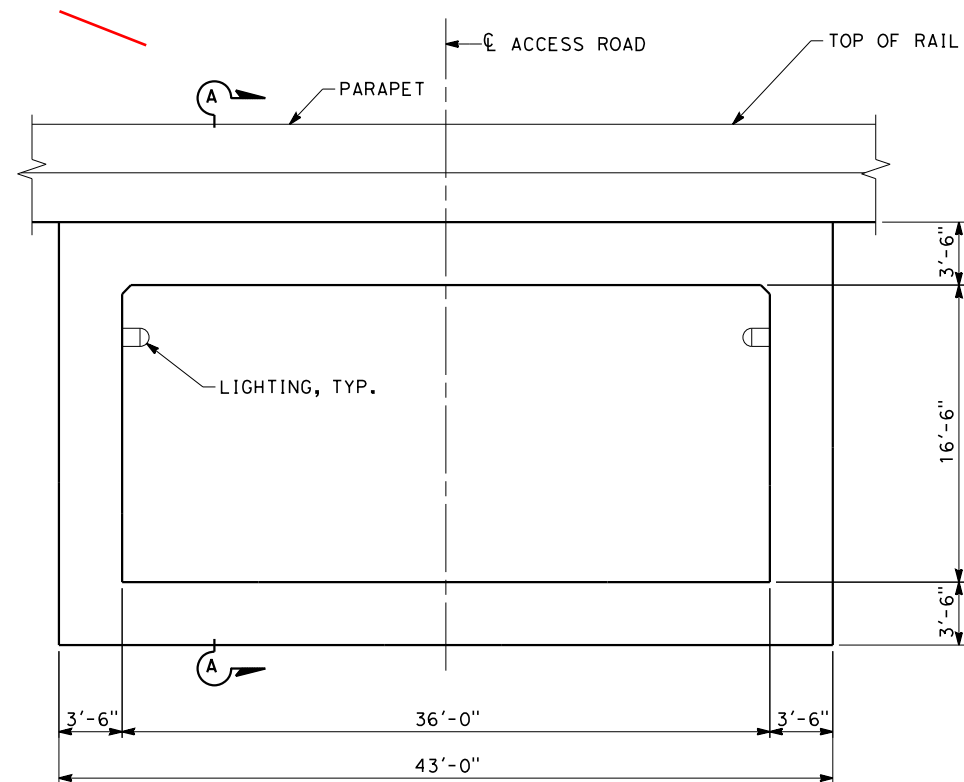
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CONSTRUCTION**



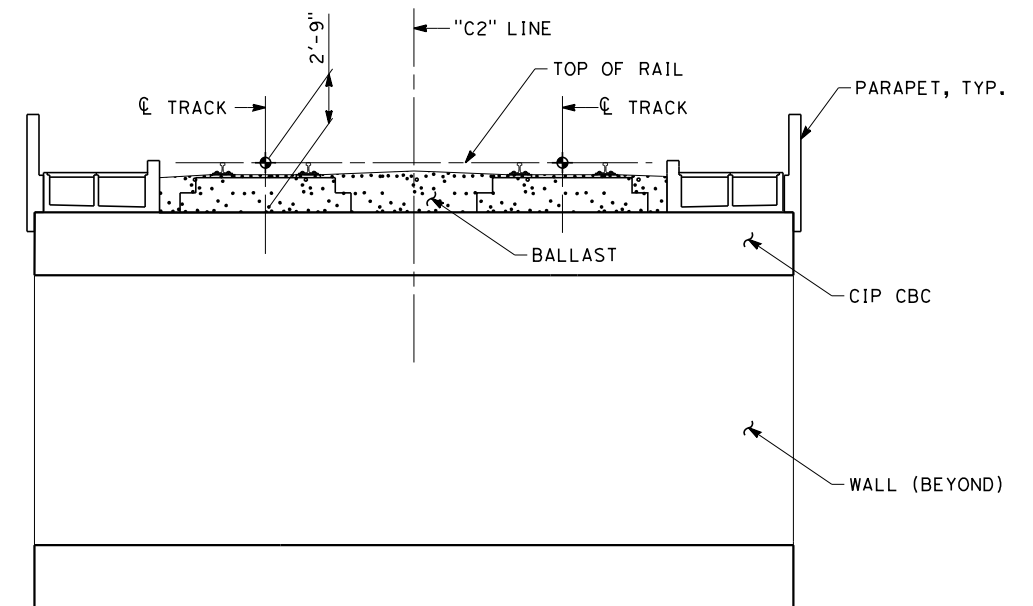
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
HANFORD VIADUCT
TYPICAL SECTIONS

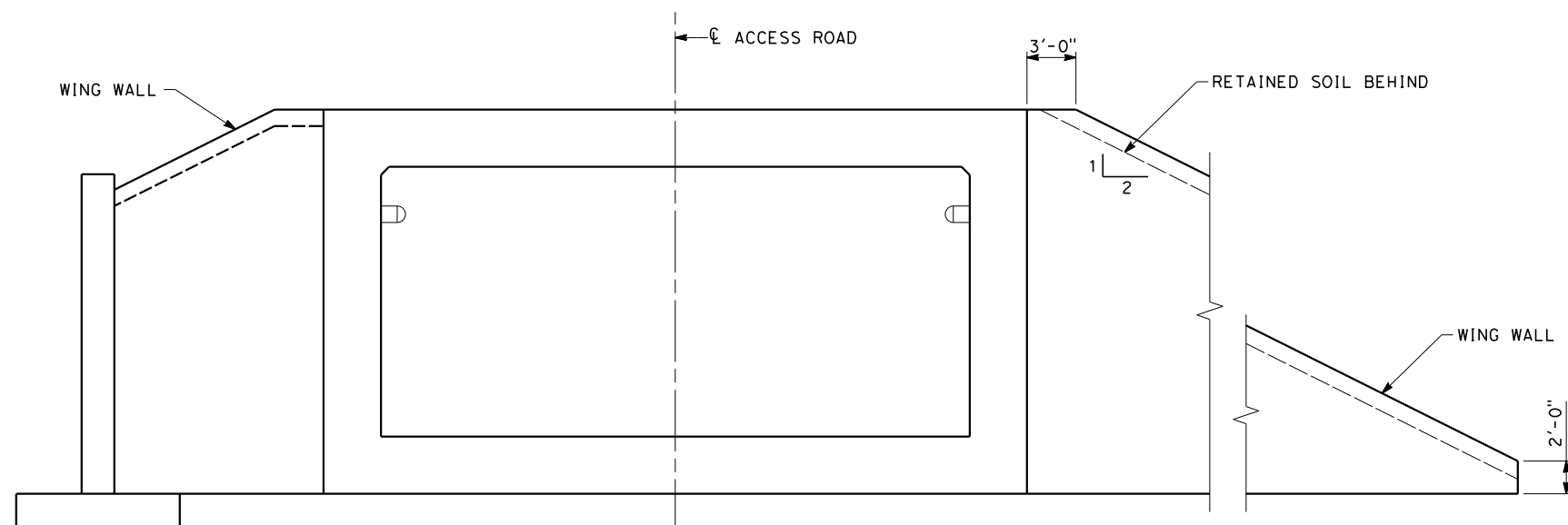
CONTRACT NO. HSR 06-0003
DRAWING NO. SVXX13
SCALE AS SHOWN
SHEET NO. 15 OF 23



TYPICAL LONGITUDINAL SECTION
SCALE: $\frac{3}{16}$ " = 1'-0"



SECTION A-A
SCALE: $\frac{3}{16}$ " = 1'-0"



END SECTION
SCALE: $\frac{3}{16}$ " = 1'-0"

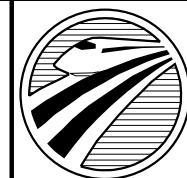
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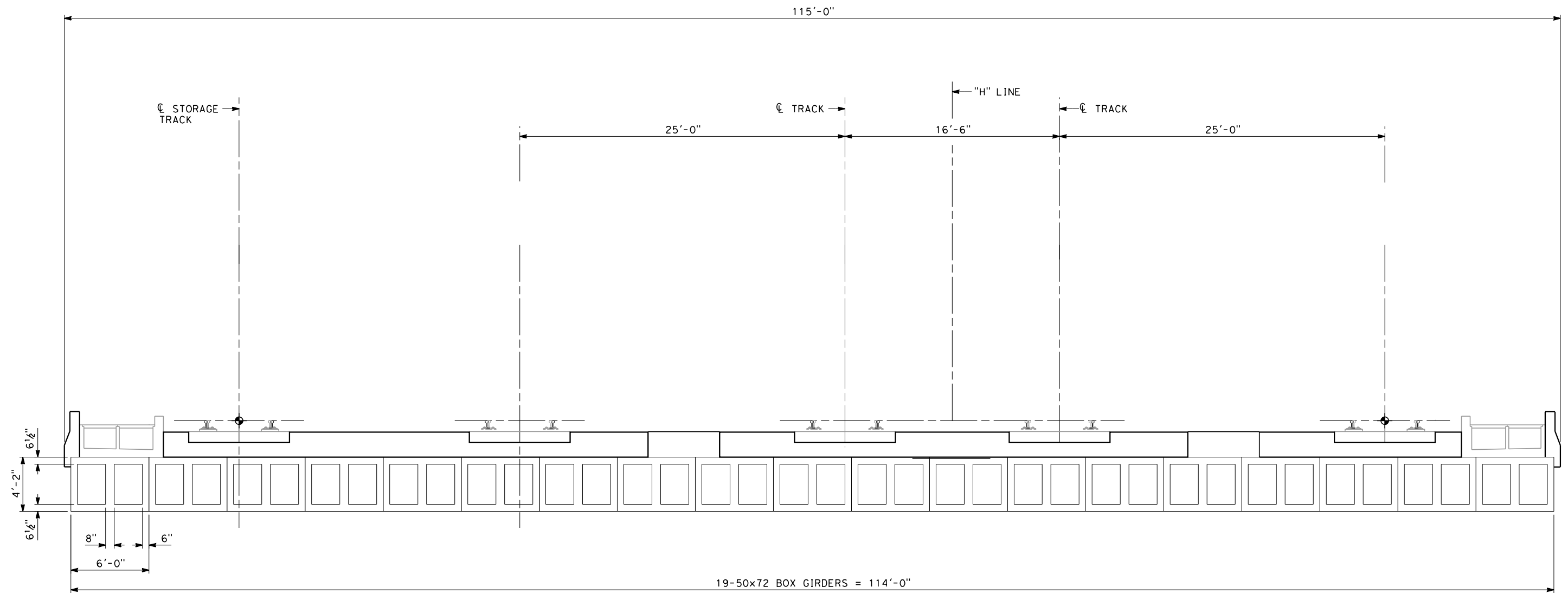


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
HANFORD VIADUCT
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. SVXX12
SCALE AS SHOWN
SHEET NO. 16 OF 23

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dreeszeg



SECTION AT SPAN

SCALE: 1/4" = 1'-0"

H-16 TYPICAL SECTION

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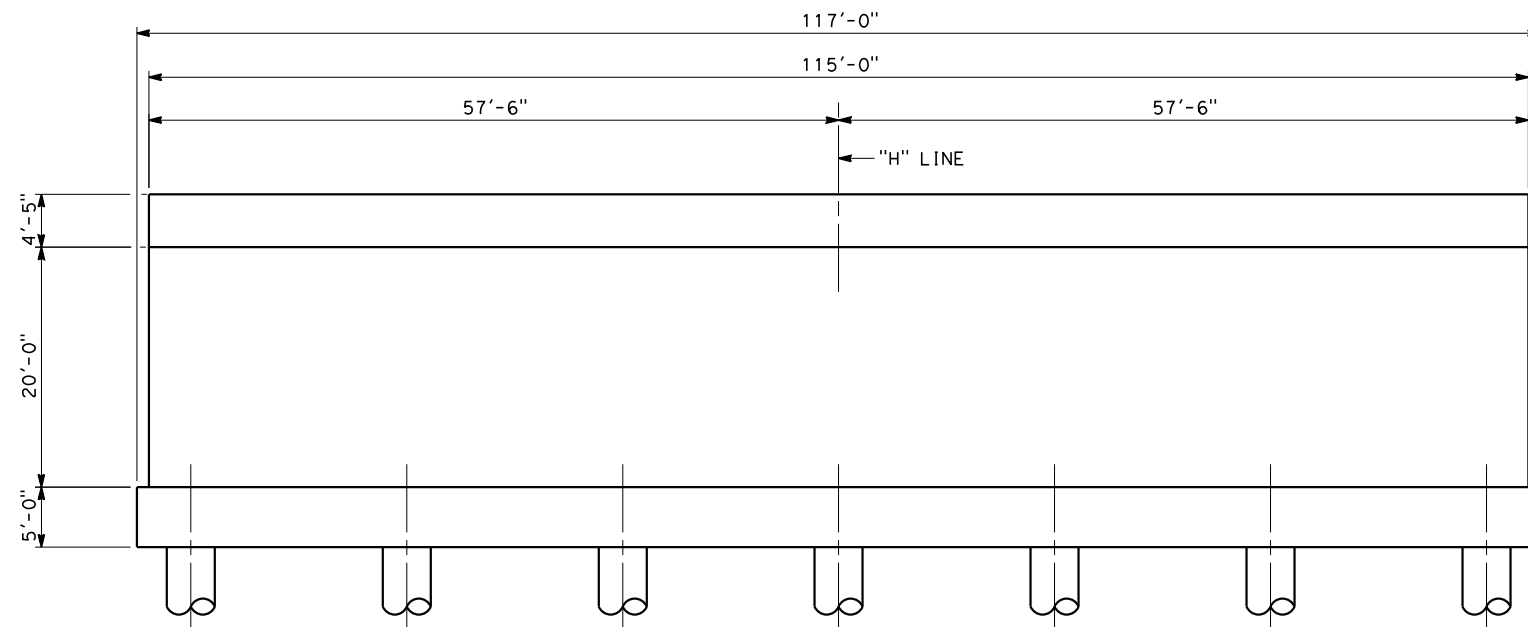
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CONSTRUCTION**



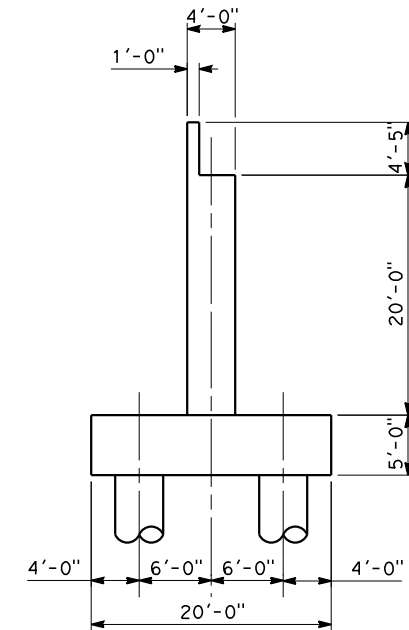
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
HANFORD VIADUCT
TYPICAL SECTIONS

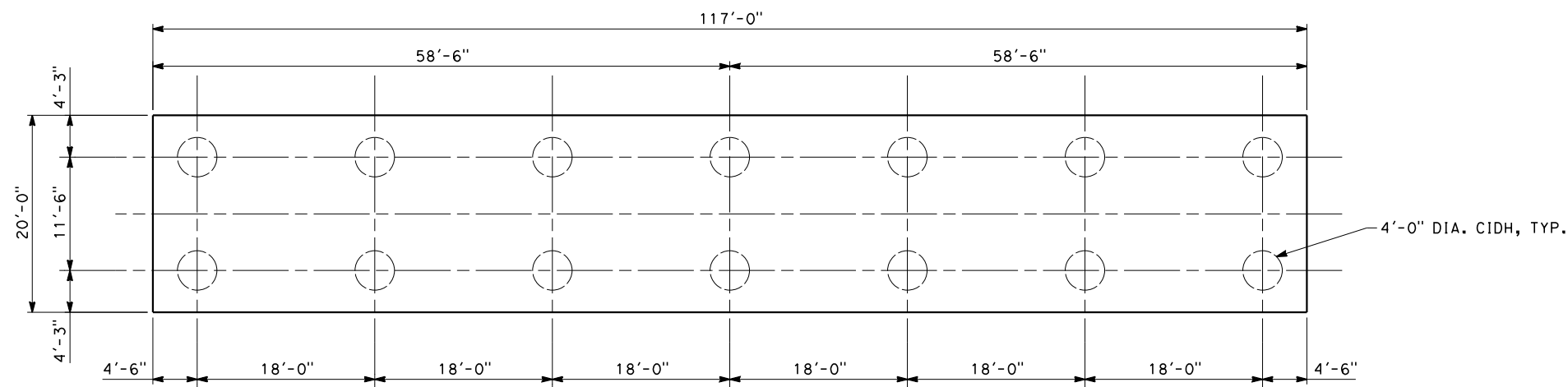
CONTRACT NO.	HSR 06-0003
DRAWING NO.	SVXX01
SCALE	AS SHOWN
SHEET NO.	17 OF 23



ELEVATION



SECTION



FOOTING PLAN

H-16 ABUTMENT

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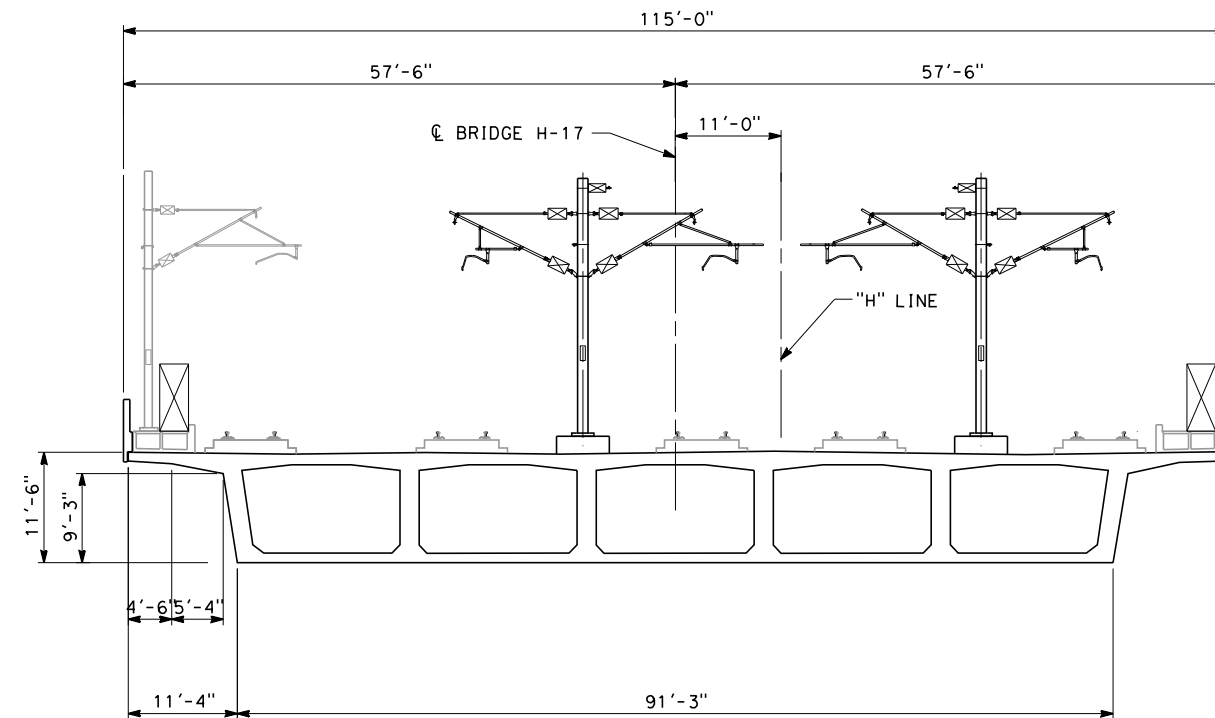
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
HANFORD VIADUCT
TYPICAL SECTIONS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
SVXX14
SCALE
AS SHOWN
SHEET NO.
18 OF 23

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dreeszegga



TYPICAL SECTION

H-17 TYPICAL SECTION



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CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

HANFORD SUBSECTION
ALIGNMENT H
H-17 SJVRR CROSSING
TYPICAL SECTION

CONTRACT NO.

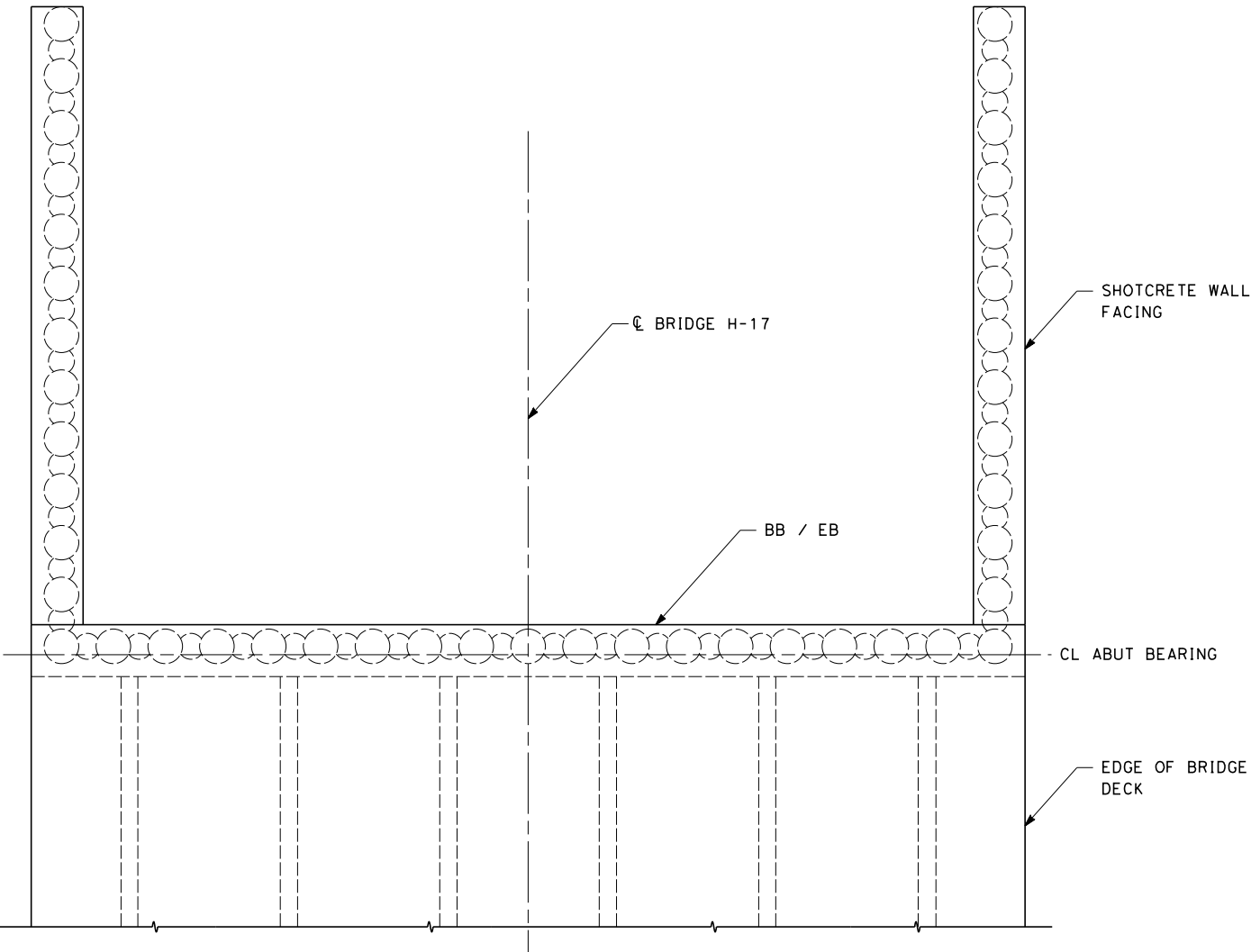
DRAWING NO.

SCALE

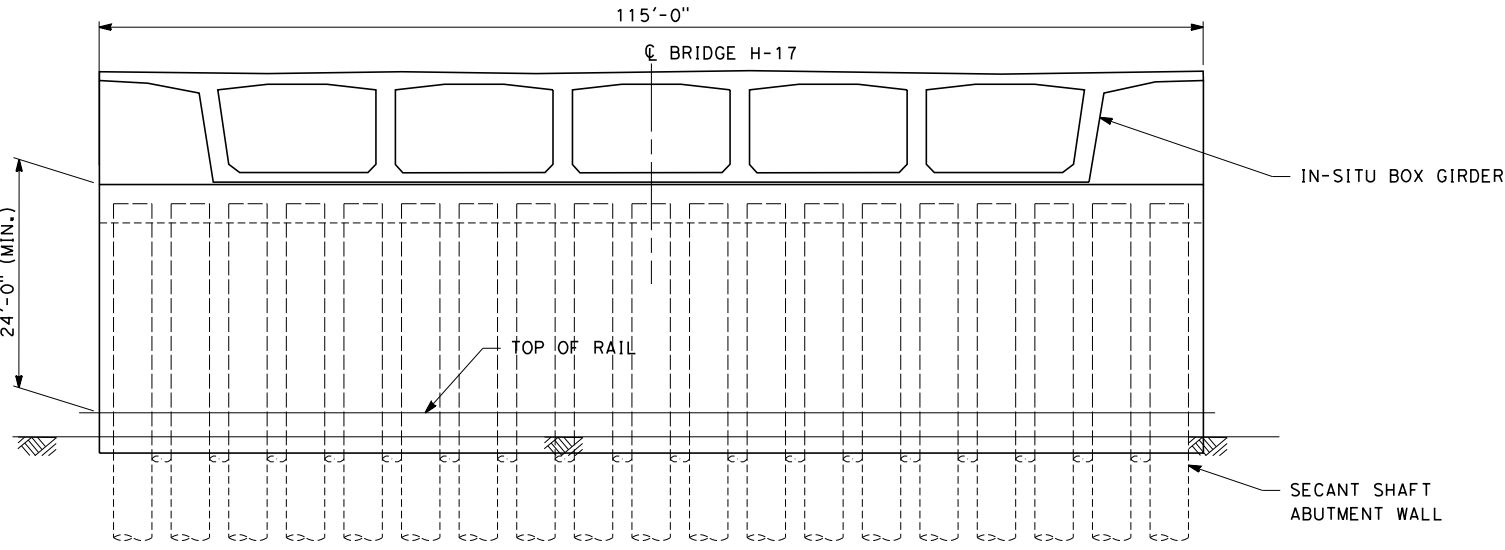
SHEET NO.
19 OF 23

PRELIMINARY ONLY

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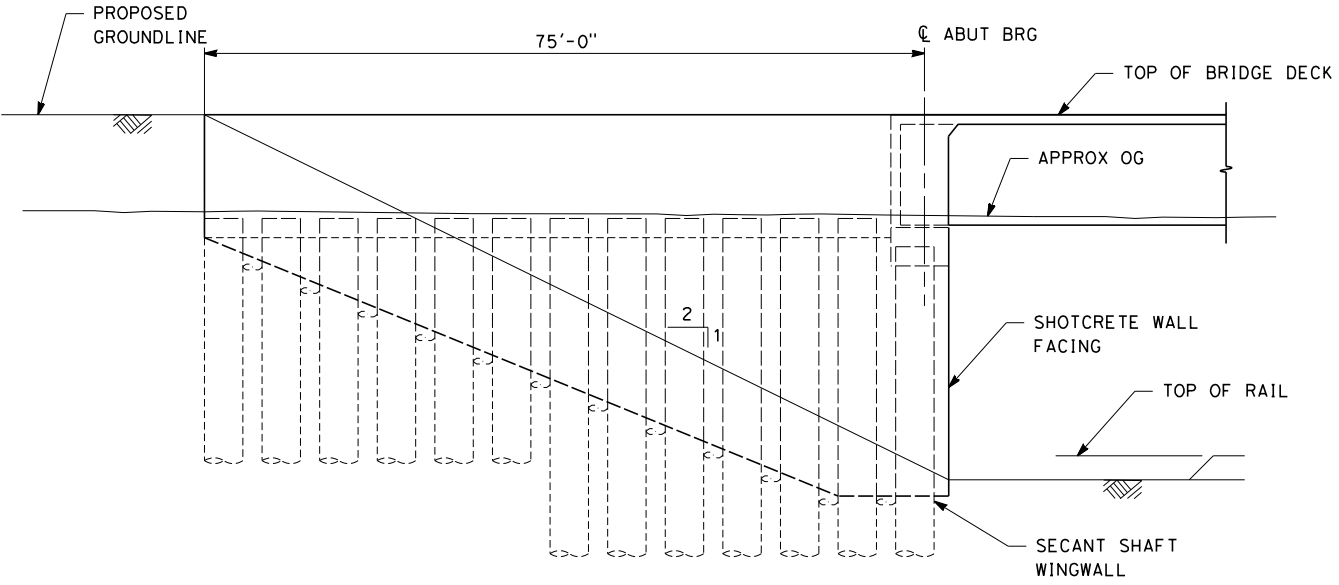
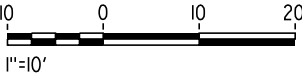


PARTIAL PLAN AT ABUTMENT



ELEVATION AT ABUTMENT

H-17 ABUTMENT



ELEVATION AT WINGWALL

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R. TREVETT
DATE
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CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HANFORD SUBSECTION
ALIGNMENT H
H-17 SJVRR CROSSING
ABUTMENT DETAILS

CONTRACT NO.
DRAWING NO.
SCALE
SHEET NO.
20 OF 23

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dreeszeg

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DATE 10/09/14

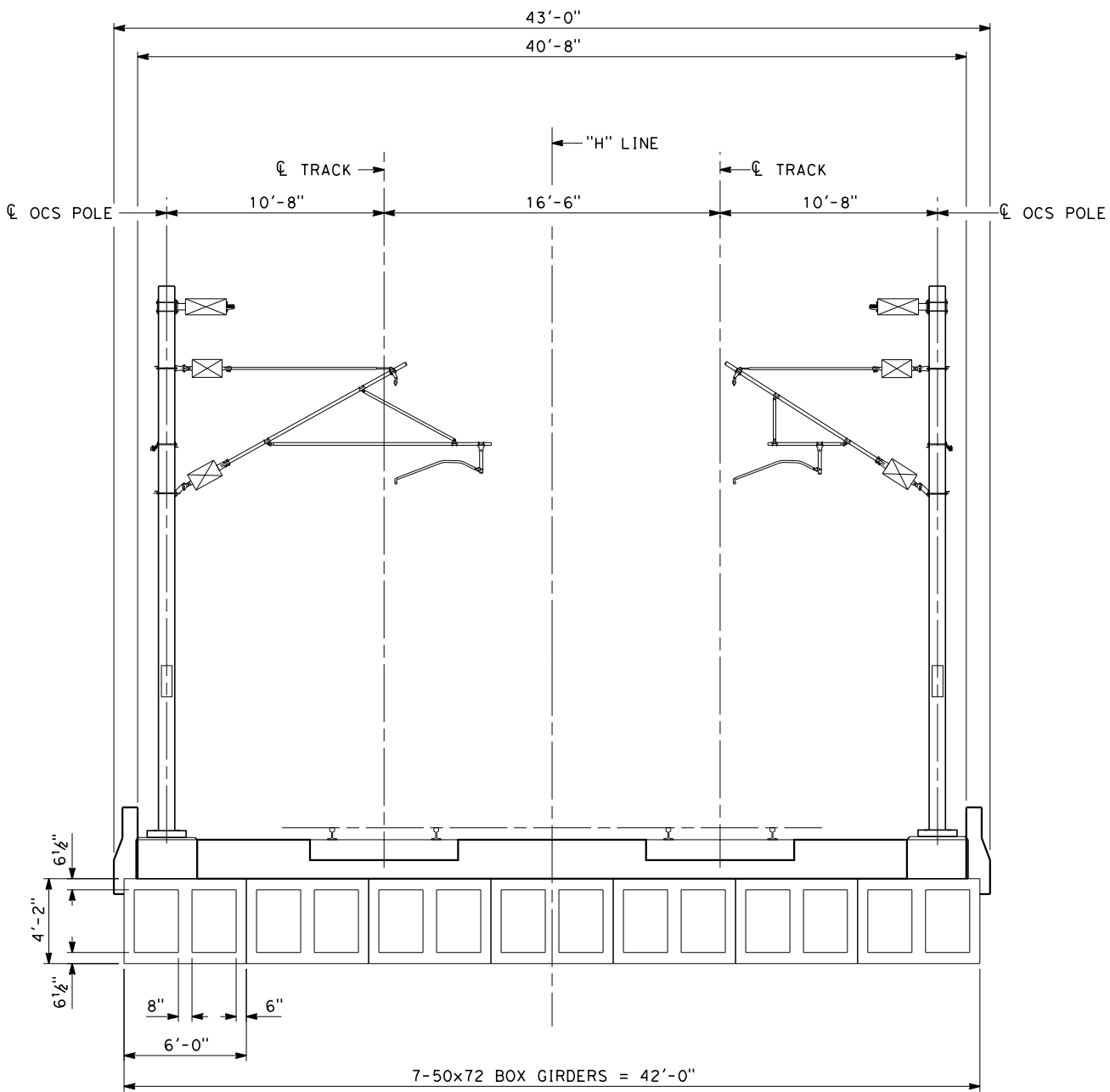
**RECORD SET 15%
DESIGN SUBMISSION**

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CONSTRUCTION**



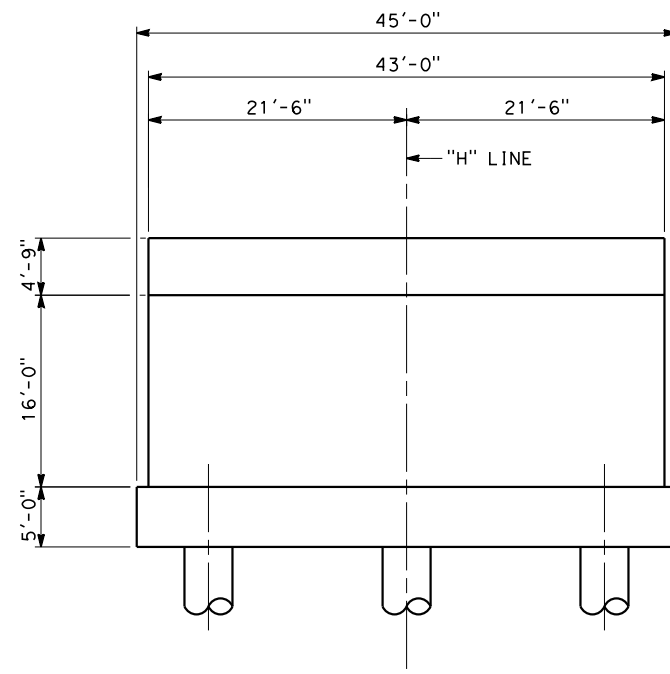
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
HANFORD VIADUCT
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. SVXX01
SCALE AS SHOWN
SHEET NO. 21 OF 23

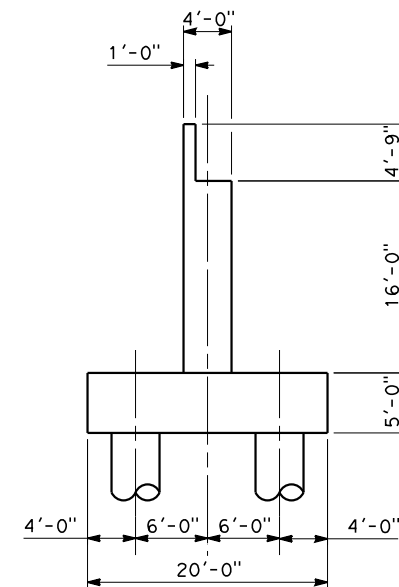


SECTION AT SPAN
SCALE: 1/4" = 1'-0"

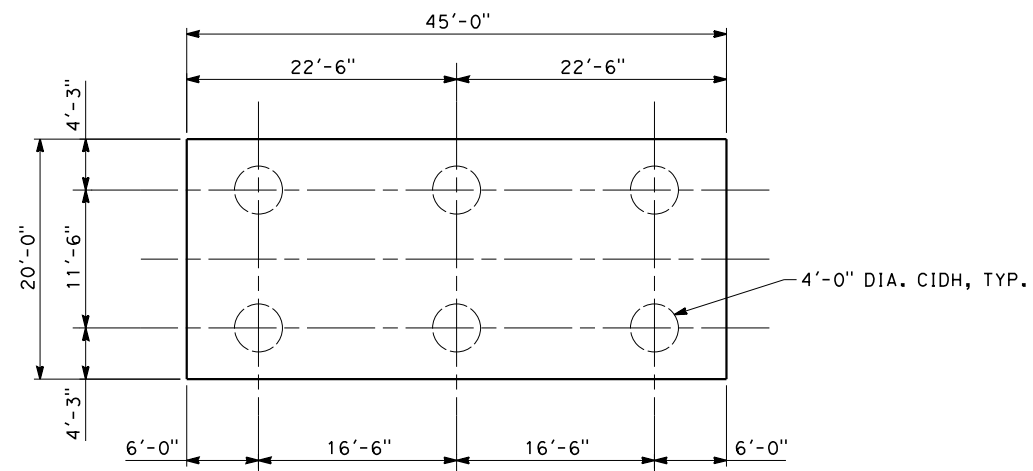
H-18 TYPICAL SECTION



ELEVATION



SECTION



FOOTING PLAN

H-18 ABUTMENT

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	DATE 10/09/14

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CONSTRUCTION**

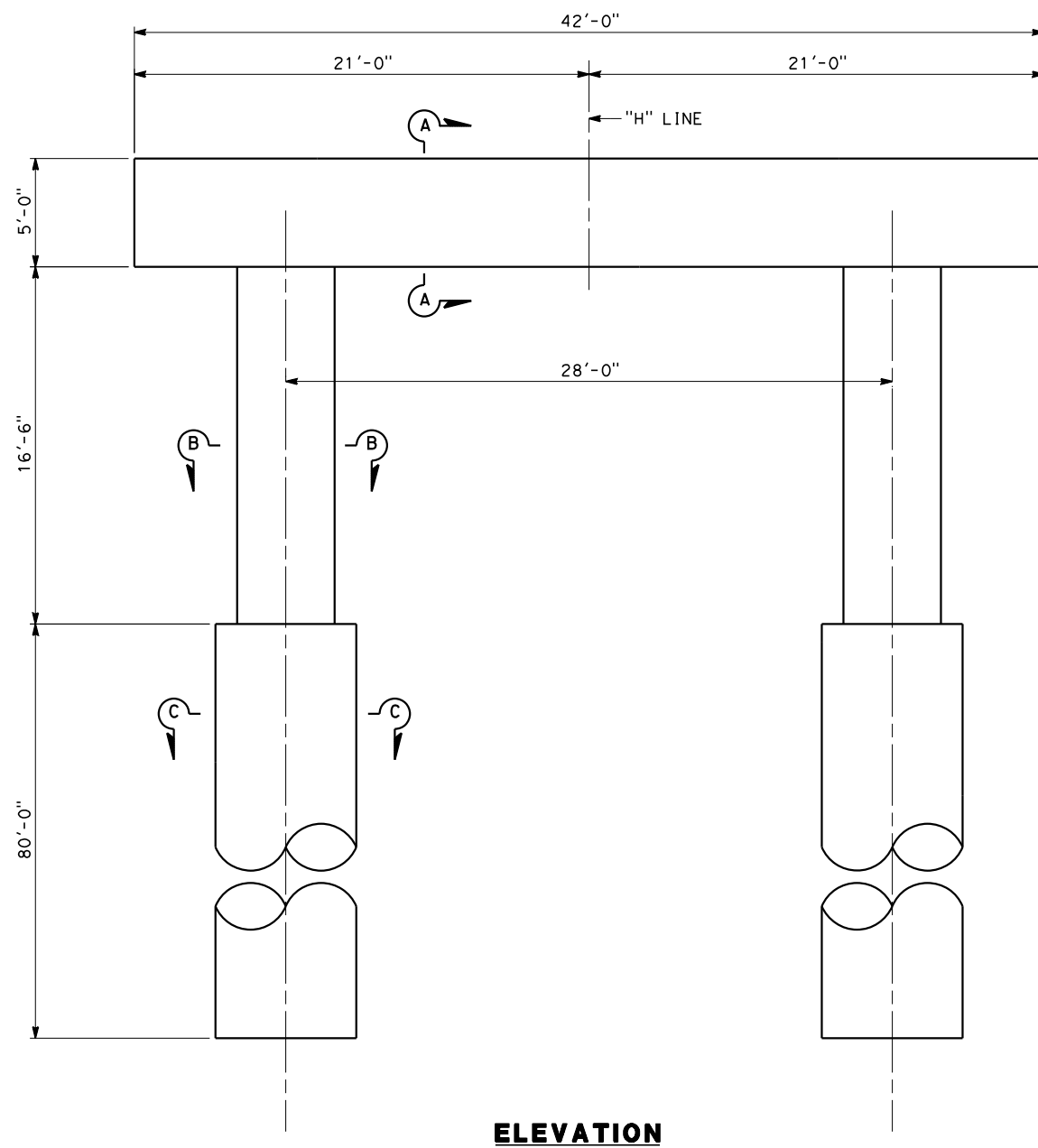


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

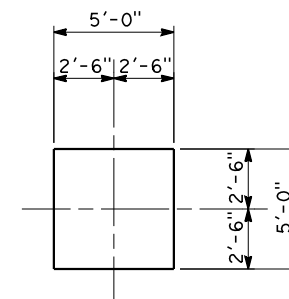
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
HANFORD VIADUCT
TYPICAL SECTIONS

CONTRACT NO.	HSR 06-0003
DRAWING NO.	SVXX15
SCALE	AS SHOWN
SHEET NO.	22 OF 23

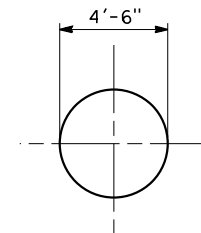
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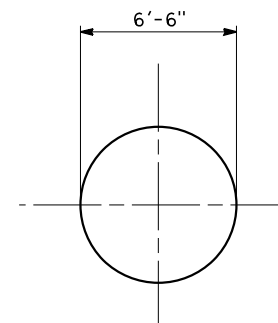
ELEVATION



SECTION A-A



SECTION B-B



SECTION C-C

H-18 BENT

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DATE	10/09/14

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DESIGN SUBMISSION**

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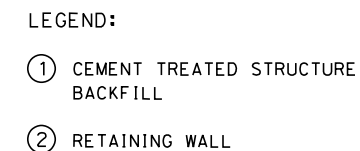
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

HANFORD SUBSECTION
ALIGNMENT H
HANFORD VIADUCT
TYPICAL SECTIONS

CONTRACT NO.	HSR 06-0003
DRAWING NO.	SVXX16
SCALE	AS SHOWN
SHEET NO.	23 OF 23

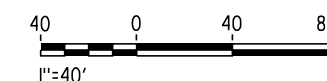
1. SUPERSTRUCTURE CONSTRUCTION, UON
CONTINUOUS SPANS - CIP/PS CONC.
BOX GIRDER
2. ELEVATED SLABS - PC BEAM AND
IN-SITU SLAB
3. REFER TO TRACK ALIGNMENT DATA
TABLE FOR CURVE AND TANGENT
INFORMATION.

 POINT OF MINIMUM CLEARANCE

◁

R = 30500.00'
Δ = 49° 01' 18.3"
T = 13906.6'
L = 26095.5'

— RFP DESIGN
— DFS PROPOSED



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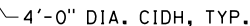
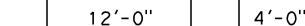
**NOT FOR
CONSTRUCTION**



KAWEAH SUBSECTION
ALIGNMENT K4
CROSS CREEK VIADUCT
PLAN AND ELEVATION

CONTRACT NO.	HSR 06-0003
DRAWING NO.	SV2465
SCALE	AS SHOWN
SHEET NO.	6 OF 13

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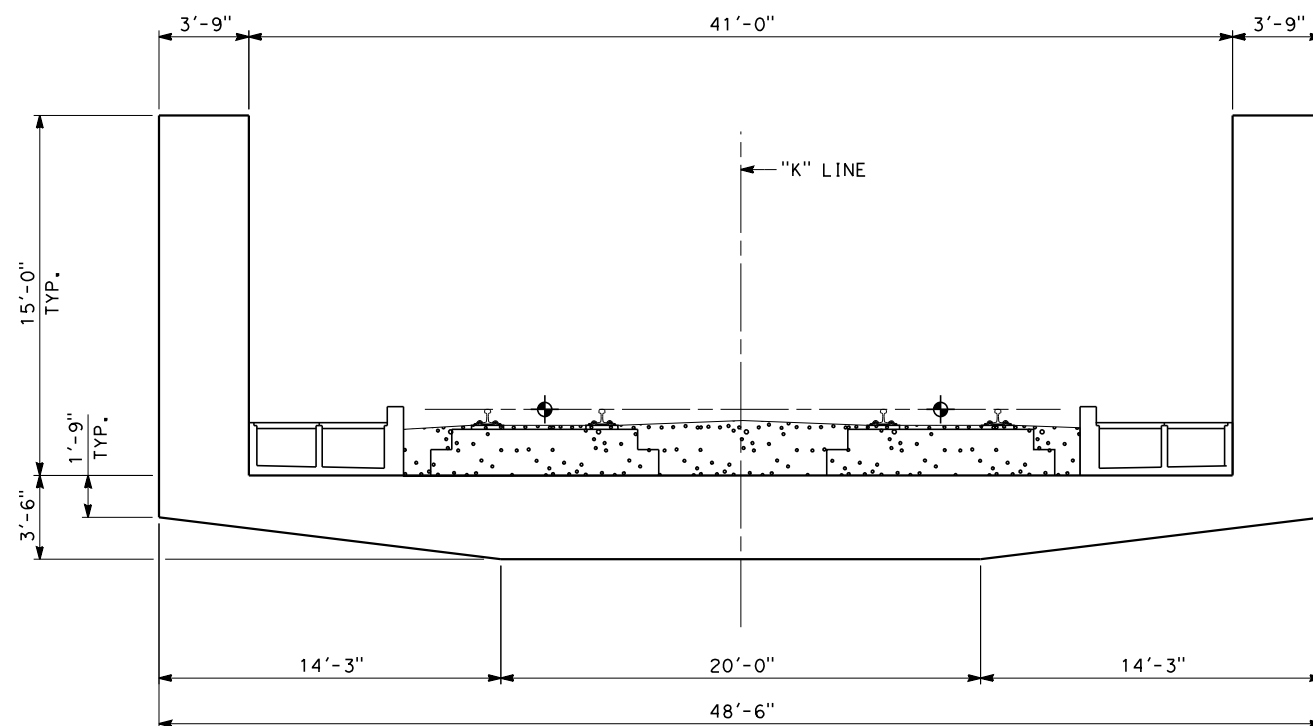
4'-0" DIA. CIDH, TYP.

TPU

IN CHARGE	R. TREVETT
DATE	10/09/14



CONTRACT NO.	HSR 06-0003
DRAWING NO.	SVXX01
SCALE	AS SHOWN
SHEET NO.	18 OF 18



TYPICAL SECTION

K-3 U-GIRDER

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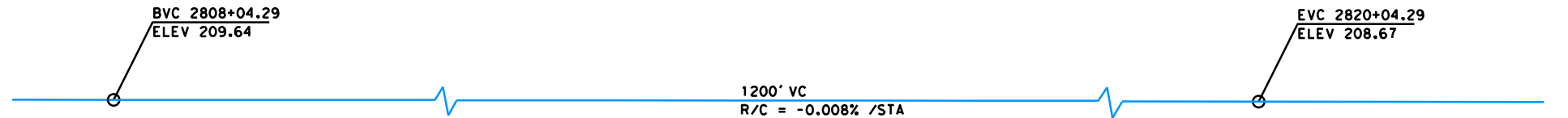
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CONSTRUCTION**



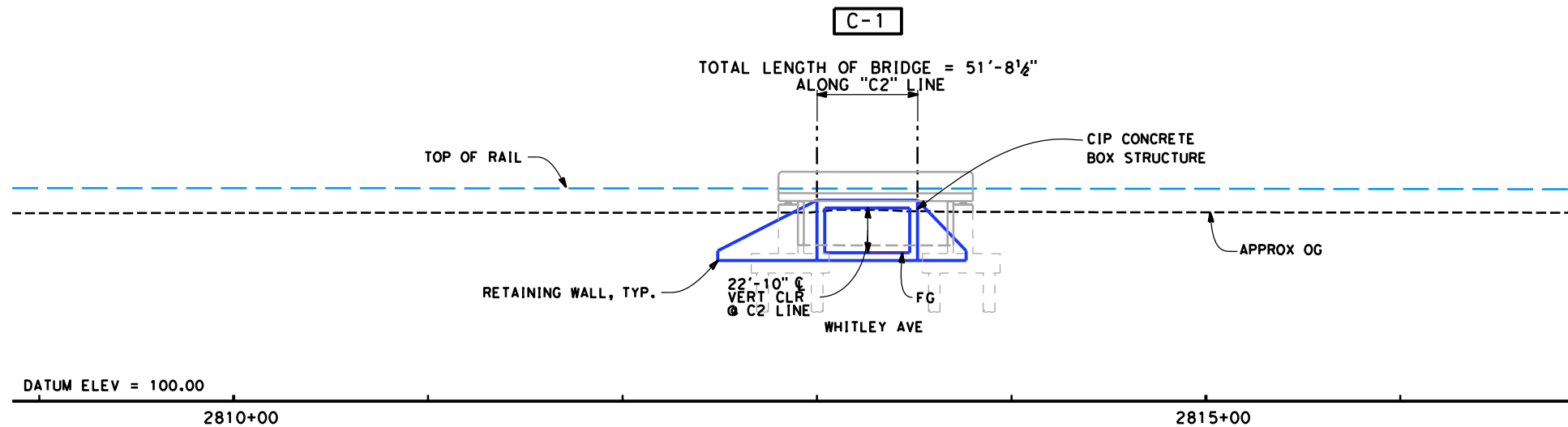
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

KAWEAH SUBSECTION
ALIGNMENT K4
CROSS CREEK BRIDGE
TYPICAL SECTIONS

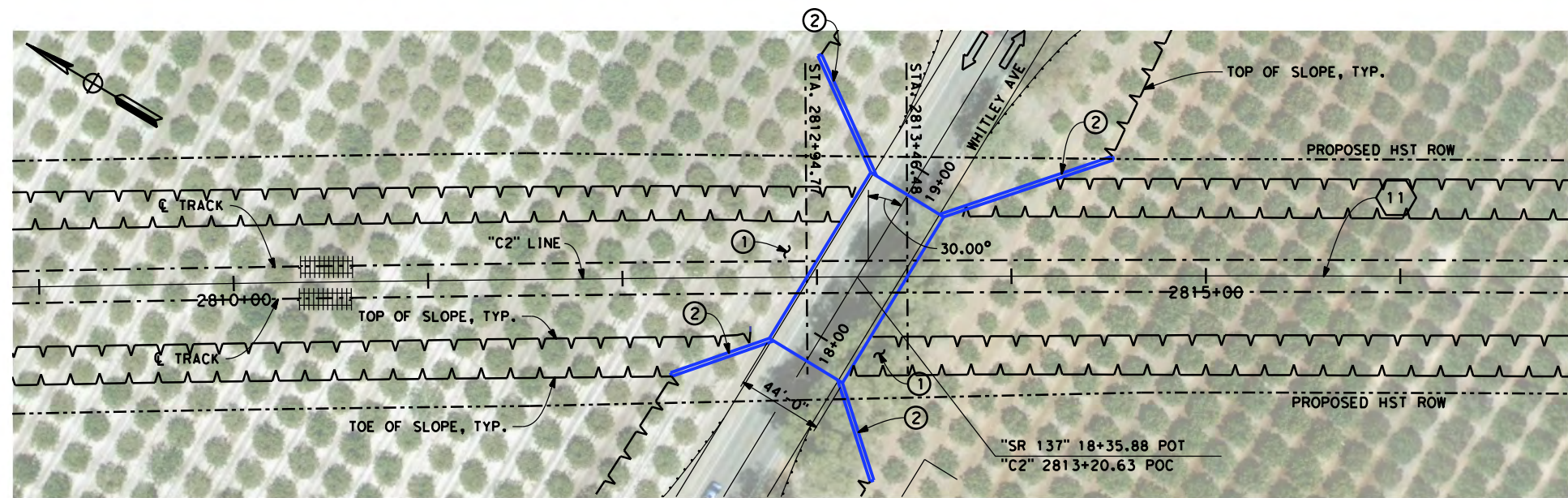
CONTRACT NO. HSR 06-0003
DRAWING NO. SVXX02
SCALE AS SHOWN
SHEET NO. 18 OF 18



TOP OF RAIL "C2" LINE
NO SCALE



ELEVATION
SCALE 1" = 40'



PLAN
SCALE 1" = 40'

NOTES

1. SUPERSTRUCTURE CONSTRUCTION, UON CONTINUOUS SPANS - CIP/PS CONC. BOX GIRDER
2. ELEVATED SLABS - PC BEAM AND IN-SITU SLAB
3. REFER TO TRACK ALIGNMENT DATA TABLE FOR CURVE AND TANGENT INFORMATION.

LEGEND:

- ① STRUCTURE APPROACH SLAB
- ② RETAINING WALL
- * ESTIMATED 100-YEAR FLOOD ELEVATION, SEE "FRESNO TO BAKERSFIELD CORRIDOR HYDROLOGY, HYDRAULICS AND DRAINAGE 15% DRAFT REPORT".
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
- RFP DESIGN
- DFS PROPOSED
- POINT OF MINIMUM CLEARANCE

CURVE DATA

11
R = 32000.00'
Δ = 0° 50' 01.6"
T = 618.5'
L = 15313.7'



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A. PRICE
CHECKED BY
G. DREESZEN
IN CHARGE
R. TREVETT
DATE
10/9/14

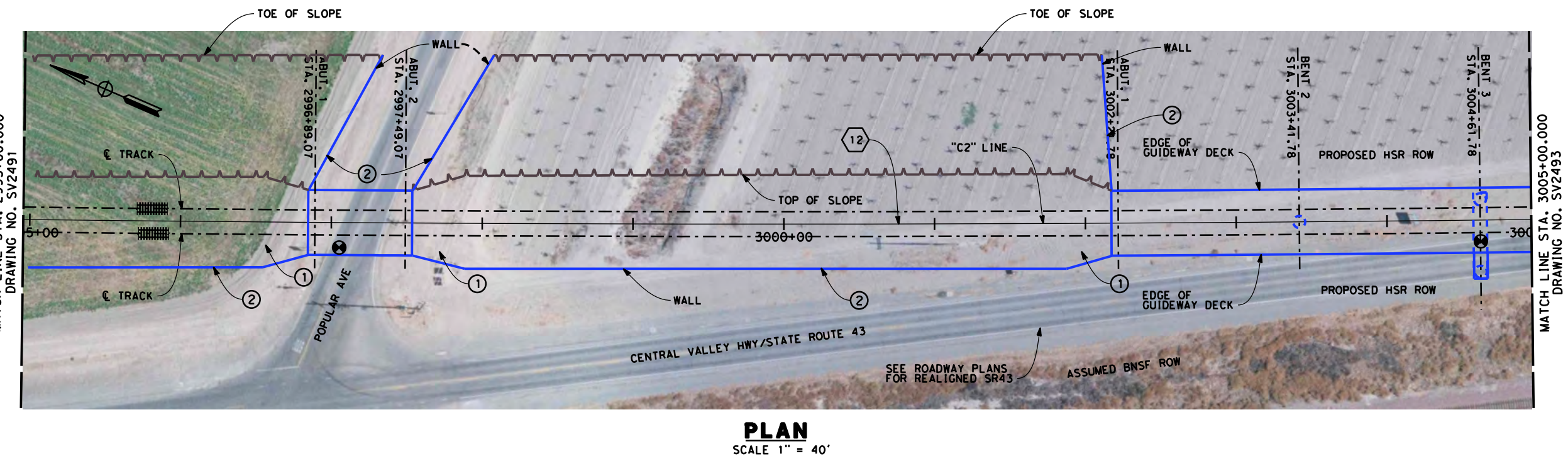
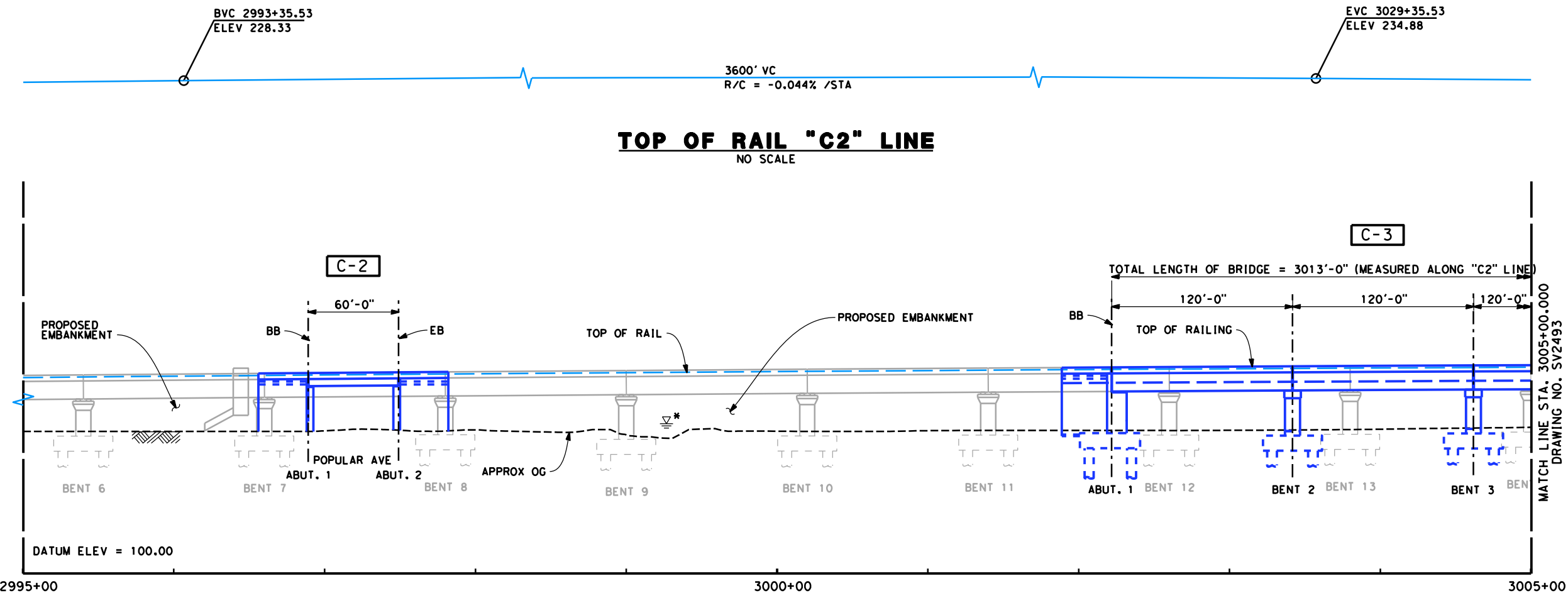
**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
WHITLEY AVE/SR137 UNDERPASS
PLAN AND ELEVATION**

CONTRACT NO.
HSR 06-0003
DRAWING NO.
SV2446
SCALE
AS SHOWN
SHEET NO.
2 OF 2



- NOTES**
1. SUPERSTRUCTURE CONSTRUCTION, UON
CONTINUOUS SPANS- CIP/PS CONC.
BOX GIRDER
 2. ELEVATED SLABS - PC BEAM AND
IN-SITU SLAB
 3. REFER TO TRACK ALIGNMENT DATA
TABLE FOR CURVE AND TANGENT
INFORMATION.

LEGEND:

- ① CEMENT TREATED STRUCTURE
BACKFILL
- ② RETAINING WALL

* ESTIMATED 100-YEAR FLOOD
ELEVATION, SEE "FRESNO TO
BAKERSFIELD CORRIDOR
HYDROLOGY, HYDRAULICS AND
DRAINAGE 15% DRAFT REPORT".

⊗ POINT OF MINIMUM CLEARANCE

CURVE DATA

⑫
R = 41000.00'
Δ = 01° 14' 39.4"
T = 1846.0'
L = 9734.5'

— RFP DESIGN
— DFS PROPOSED

DISCLAIMER:
THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN
ENHANCEMENTS, DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN.
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K. LEE
DRAWN BY
A. PRICE
CHECKED BY
G. DREESZEN
IN CHARGE
R. TREVETT
DATE
10/09/14

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DESIGN SUBMISSION**

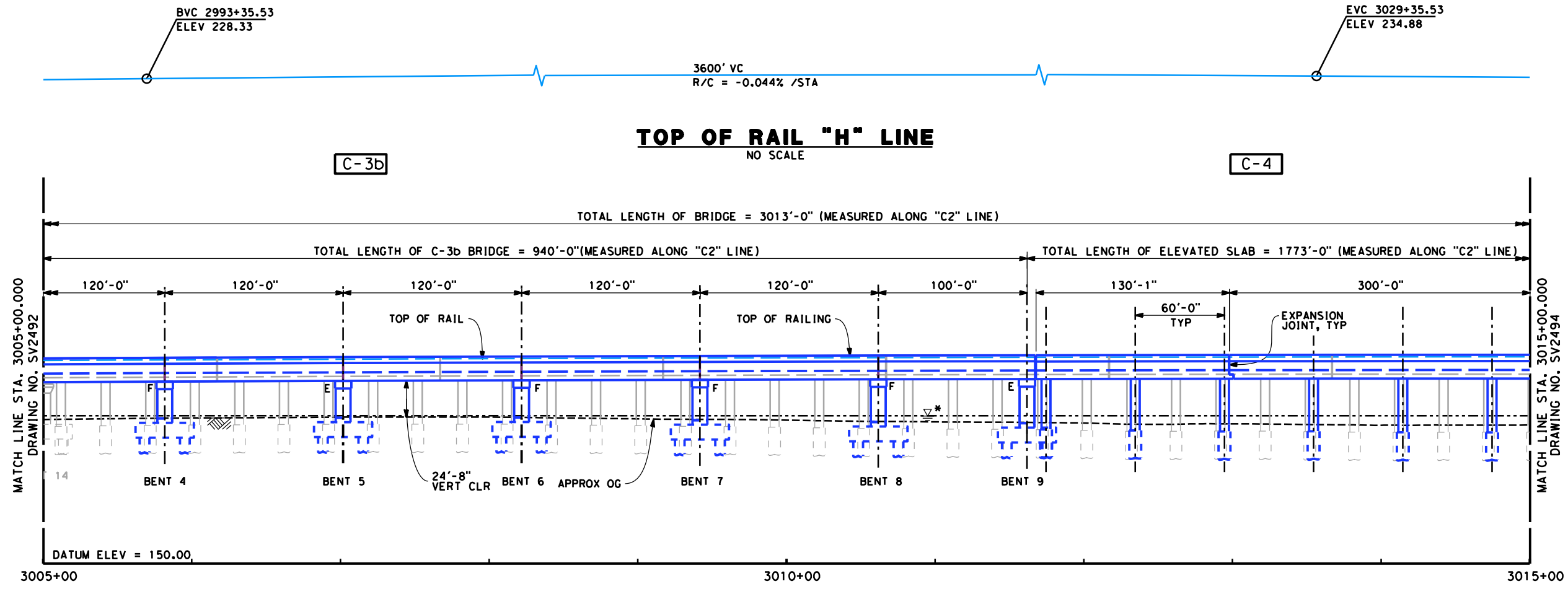
**NOT FOR
CONSTRUCTION**



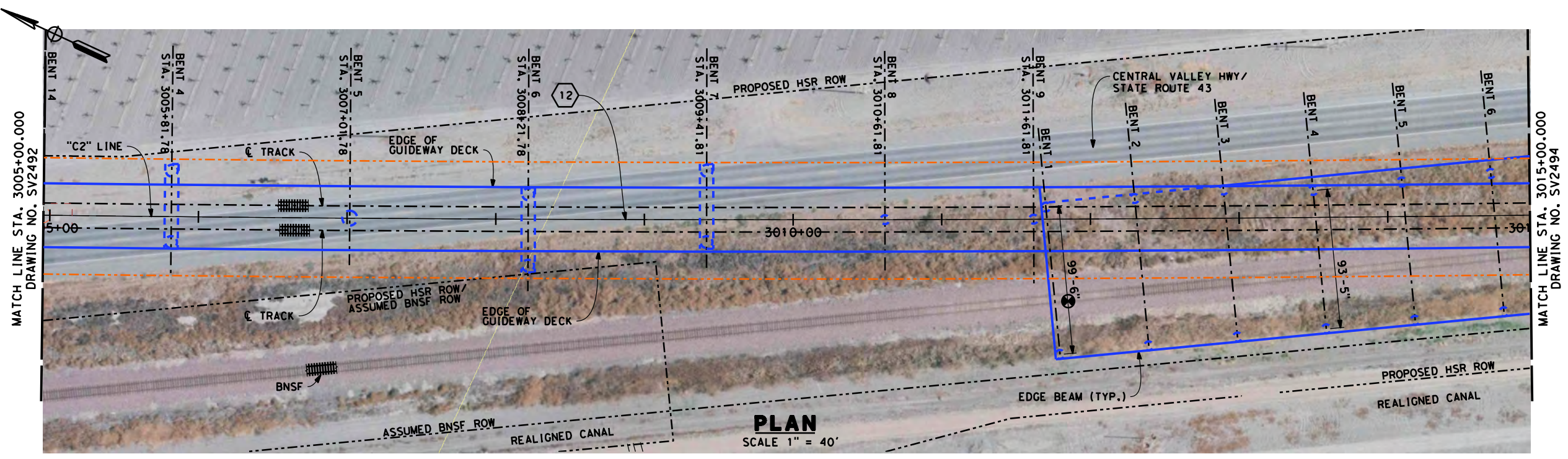
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STATE ROUTE 43 BNSF VIADUCT
PLAN AND ELEVATION**

CONTRACT NO.
HSR 06-0003
DRAWING NO.
SV2492b
SCALE
AS SHOWN
SHEET NO.
3 OF 11

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ELEVATION
SCALE 1" = 40'



- NOTES**
1. SUPERSTRUCTURE CONSTRUCTION, UON
CONTINUOUS SPANS - CIP/PS CONC.
BOX GIRDER
 2. ELEVATED SLABS - PC BEAM AND
IN-SITU SLAB
 3. REFER TO TRACK ALIGNMENT DATA
TABLE FOR CURVE AND TANGENT
INFORMATION.

- LEGEND:**
- ① CEMENT TREATED STRUCTURE
BACKFILL
 - ② RETAINING WALL

* ESTIMATED 100-YEAR FLOOD
ELEVATION, SEE "FRESNO TO
BAKERSFIELD CORRIDOR
HYDROLOGY, HYDRAULICS AND
DRAINAGE 15% DRAFT REPORT".

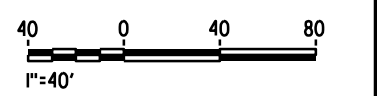
⊗ POINT OF MINIMUM CLEARANCE

CURVE DATA

⑫

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Δ = 01° 14' 39.4"
T = 1846.0'
L = 9734.5'

— RFP DESIGN
— DFS PROPOSED



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A. PRICE
CHECKED BY
G. DREESZEN
IN CHARGE
R. TREVETT
DATE
10/09/14

**RECORD SET 15%
DESIGN SUBMISSION**

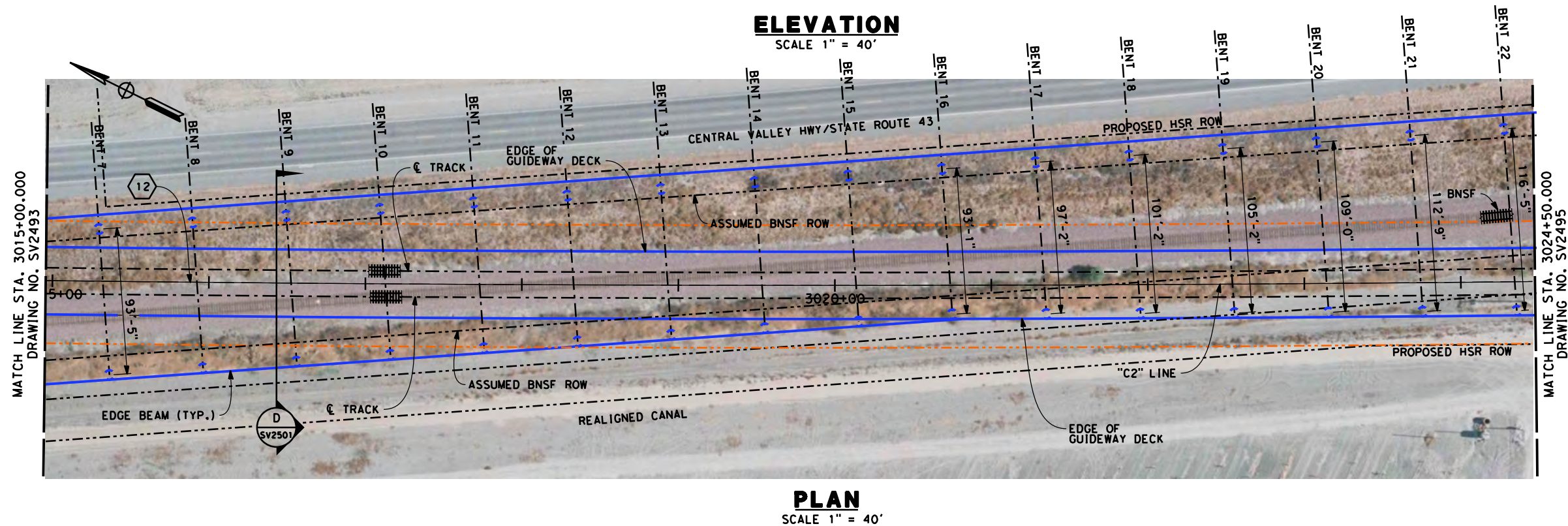
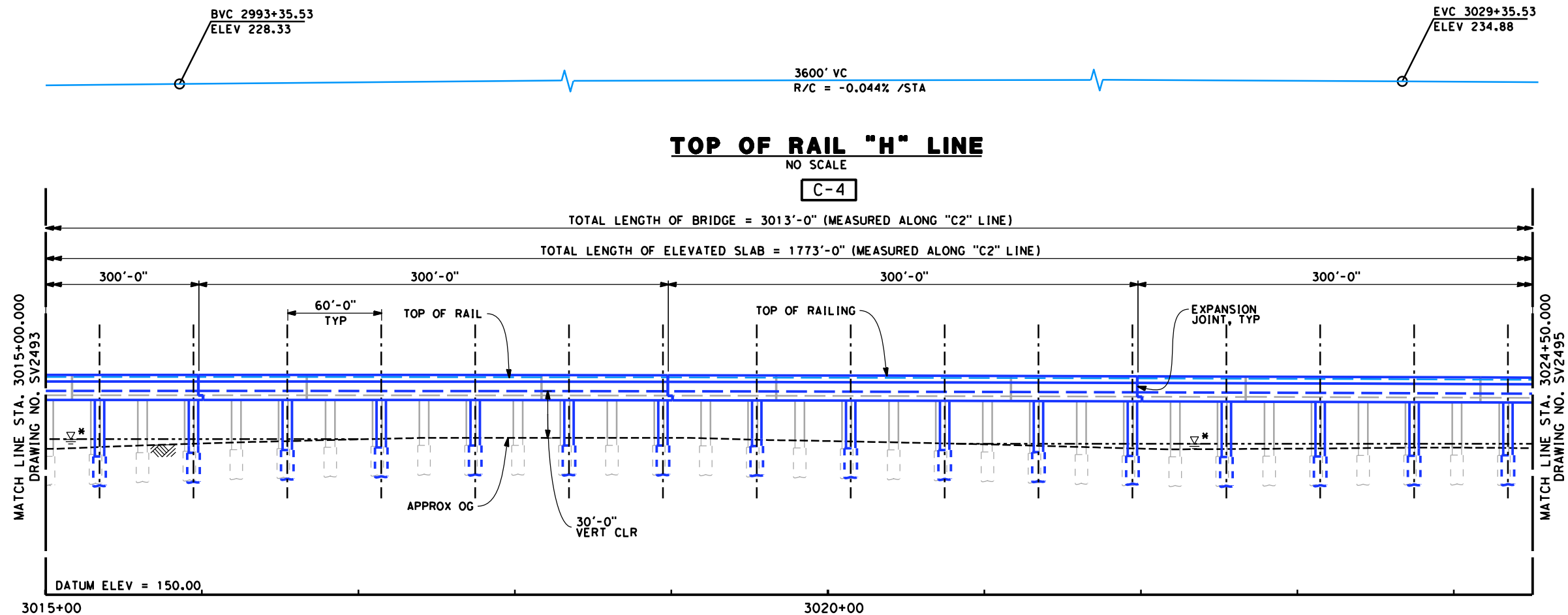
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STATE ROUTE 43 BNSF VIADUCT
PLAN AND ELEVATION**

CONTRACT NO.
HSR 06-0003
DRAWING NO.
SV2493b
SCALE
AS SHOWN
SHEET NO.
4 OF 11

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10/15/2014 3:53:13 PM
dreeszeg



PLAN
SCALE 1" = 40'

NOTES

1. SUPERSTRUCTURE CONSTRUCTION, UON
CONTINUOUS SPANS - CIP/PS CONC.
BOX GIRDER
2. ELEVATED SLABS - PC BEAM AND
IN-SITU SLAB
3. REFER TO TRACK ALIGNMENT DATA
TABLE FOR CURVE AND TANGENT
INFORMATION.

LEGEND:

- ① CEMENT TREATED STRUCTURE
BACKFILL
- ② RETAINING WALL

* ESTIMATED 100-YEAR FLOOD
ELEVATION, SEE "FRESNO TO
BAKERSFIELD CORRIDOR
HYDROLOGY, HYDRAULICS AND
DRAINAGE 15% DRAFT REPORT".

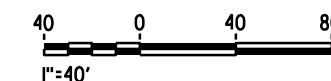
⊗ POINT OF MINIMUM CLEARANCE

CURVE DATA

12

R = 41000.00'
Δ = 01° 14' 39.4"
T = 1846.0'
L = 9734.5'

— RFP DESIGN
— DFS PROPOSED



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DESIGNED BY
K. LEE

DRAWN BY
A. PRICE

CHECKED BY
G. DREESZEN

IN CHARGE
R. TREVETT

DATE
10/09/14

**RECORD SET 15%
DESIGN SUBMISSION**

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STATE ROUTE 43 BNSF VIADUCT
PLAN AND ELEVATION**

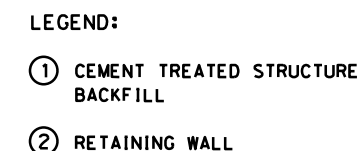
CONTRACT NO.
HSR 06-0003

DRAWING NO.
SV2494b

SCALE
AS SHOWN

SHEET NO.
5 OF 11

1. SUPERSTRUCTURE CONSTRUCTION, UON
CONTINUOUS SPANS - CIP/PS CONC.
BOX GIRDER
2. ELEVATED SLABS - PC BEAM AND
IN-SITU SLAB
3. REFER TO TRACK ALIGNMENT DATA
TABLE FOR CURVE AND TANGENT
INFORMATION.



* ESTIMATED 100-YEAR FLOOD ELEVATION, SEE "FRESNO TO BAKERSFIELD CORRIDOR HYDROLOGY, HYDRAULICS AND DRAINAGE 15% DRAFT REPORT".

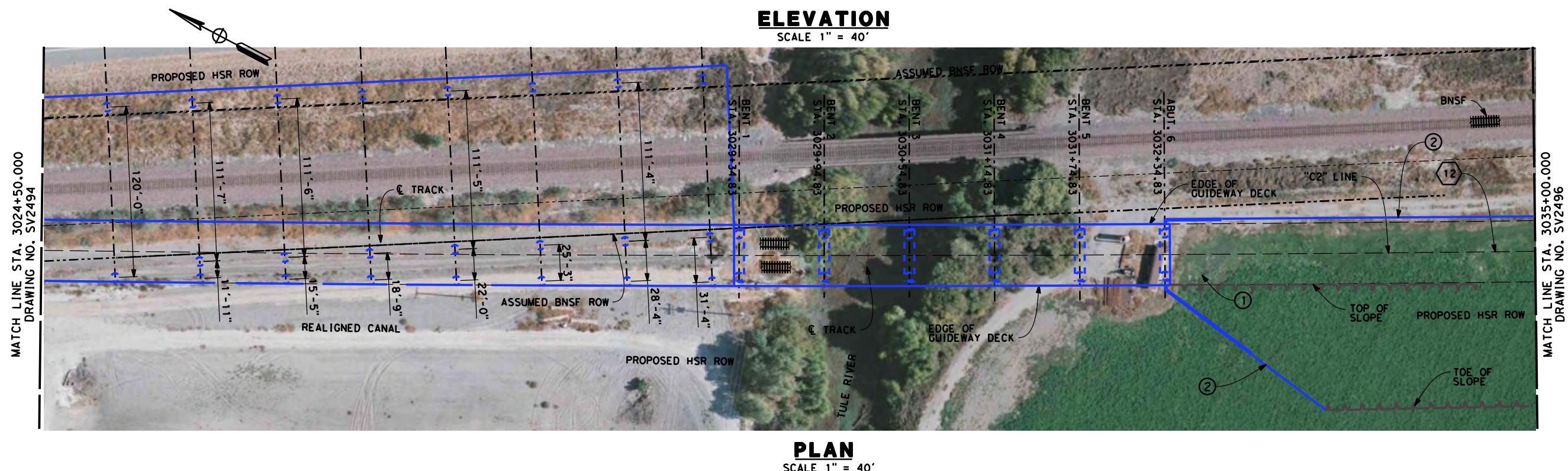
 POINT OF MINIMUM CLEARANCE

CURVE DATA

12

R = 41000.00'
 $\Delta = 01^\circ 14' 39.4''$
T = 1846.0'
L = 9734.5'

— RFP DESIGN
— DFS PROPOSED



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	DRAWN BY A. PRICE
	CHECKED BY G. DREESZEN
	IN CHARGE R. TREVETT
	DATE 10/09/14

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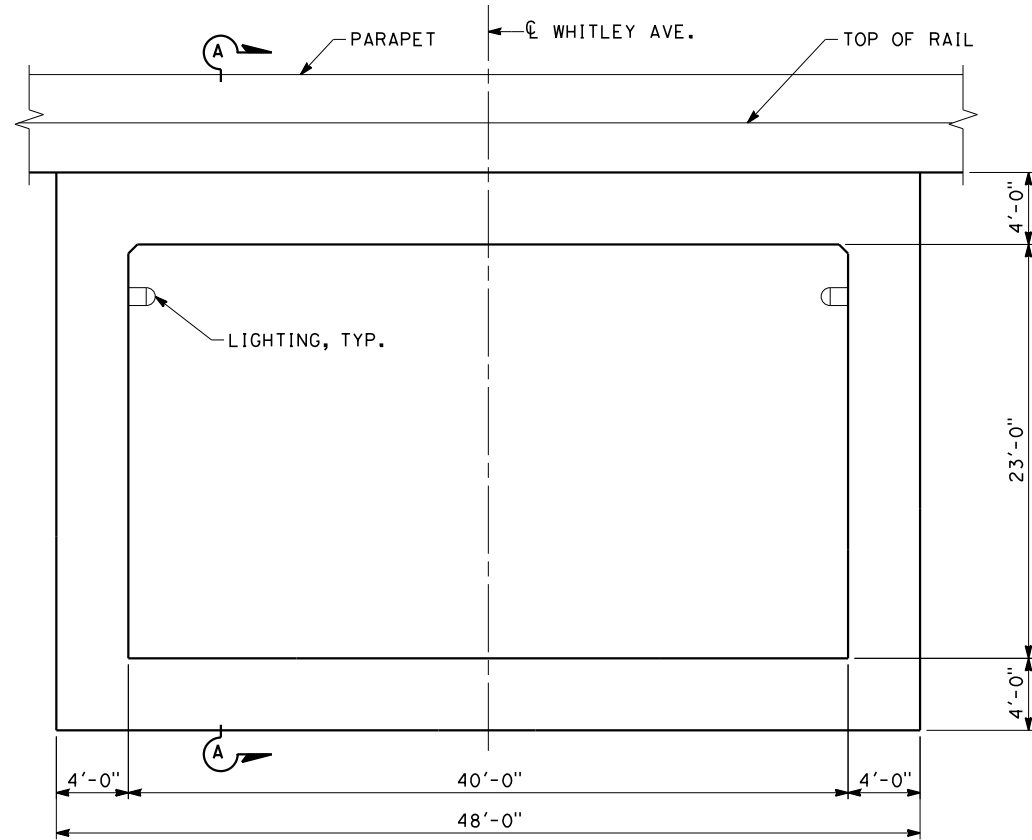


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STATE ROUTE 43 BNSF VIADUCT
PLAN AND ELEVATION**

CONTRACT NO.	HSR 06-0003
DRAWING NO.	SV2495b
SCALE	AS SHOWN
SHEET NO.	6 OF 11

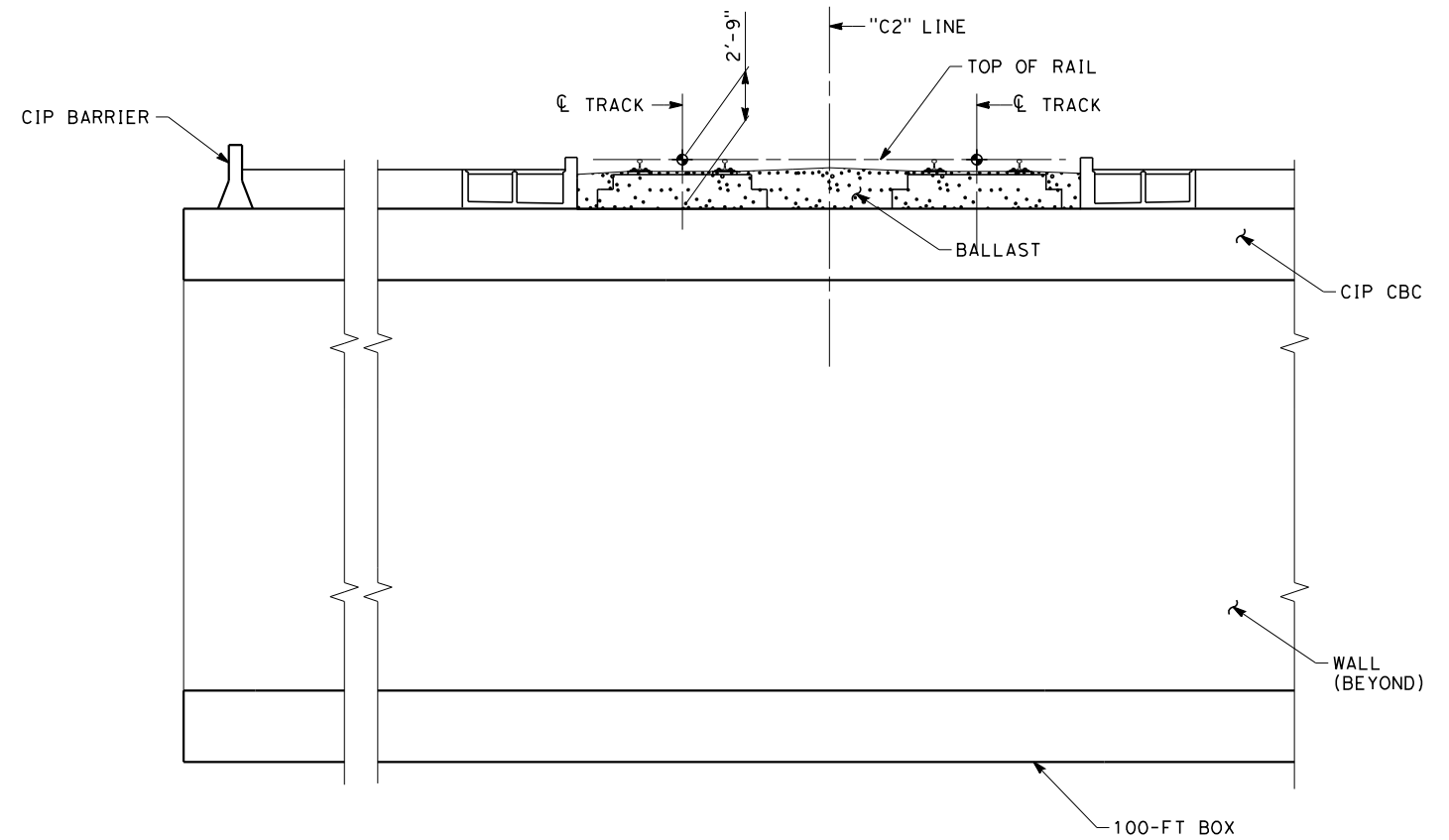
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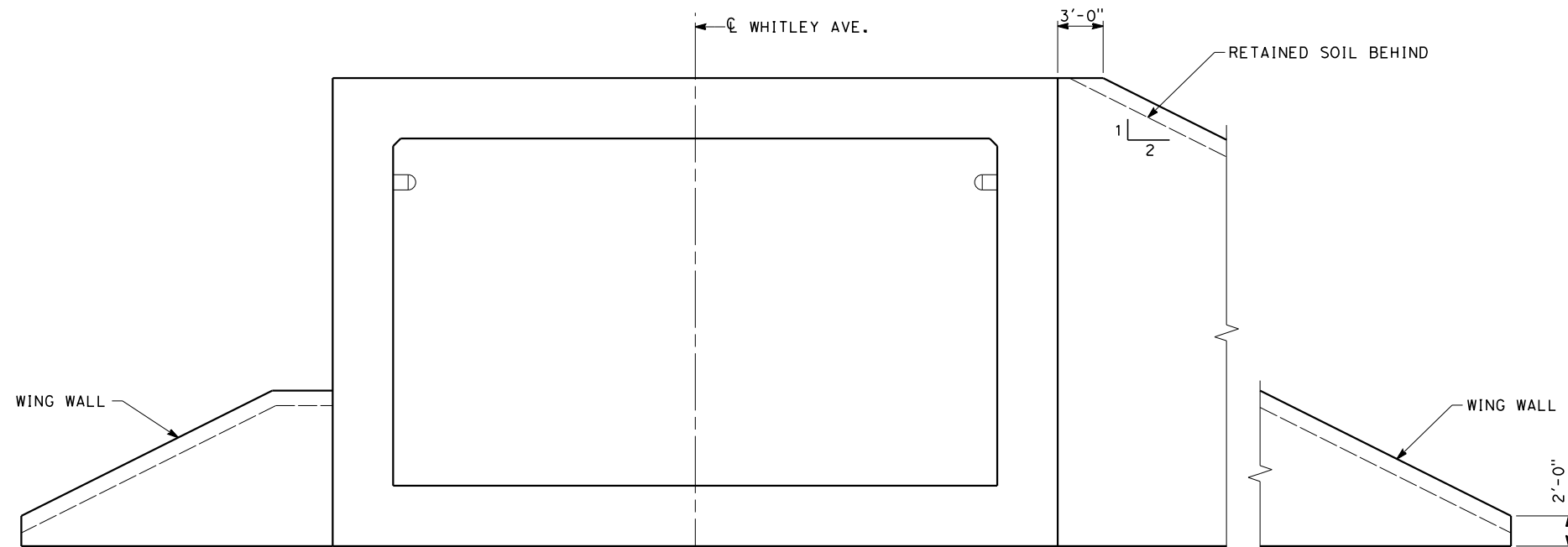
TYPICAL LONGITUDINAL SECTION

SCALE: $\frac{3}{16}$ " = 1'-0"



SECTION A-A

SCALE: $\frac{3}{16}$ " = 1'-0"



END SECTION

SCALE: $\frac{3}{16}$ " = 1'-0"

C-1 BOX CULVERT

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R. TREVETT
DATE
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**RECORD SET 15%
DESIGN SUBMISSION**

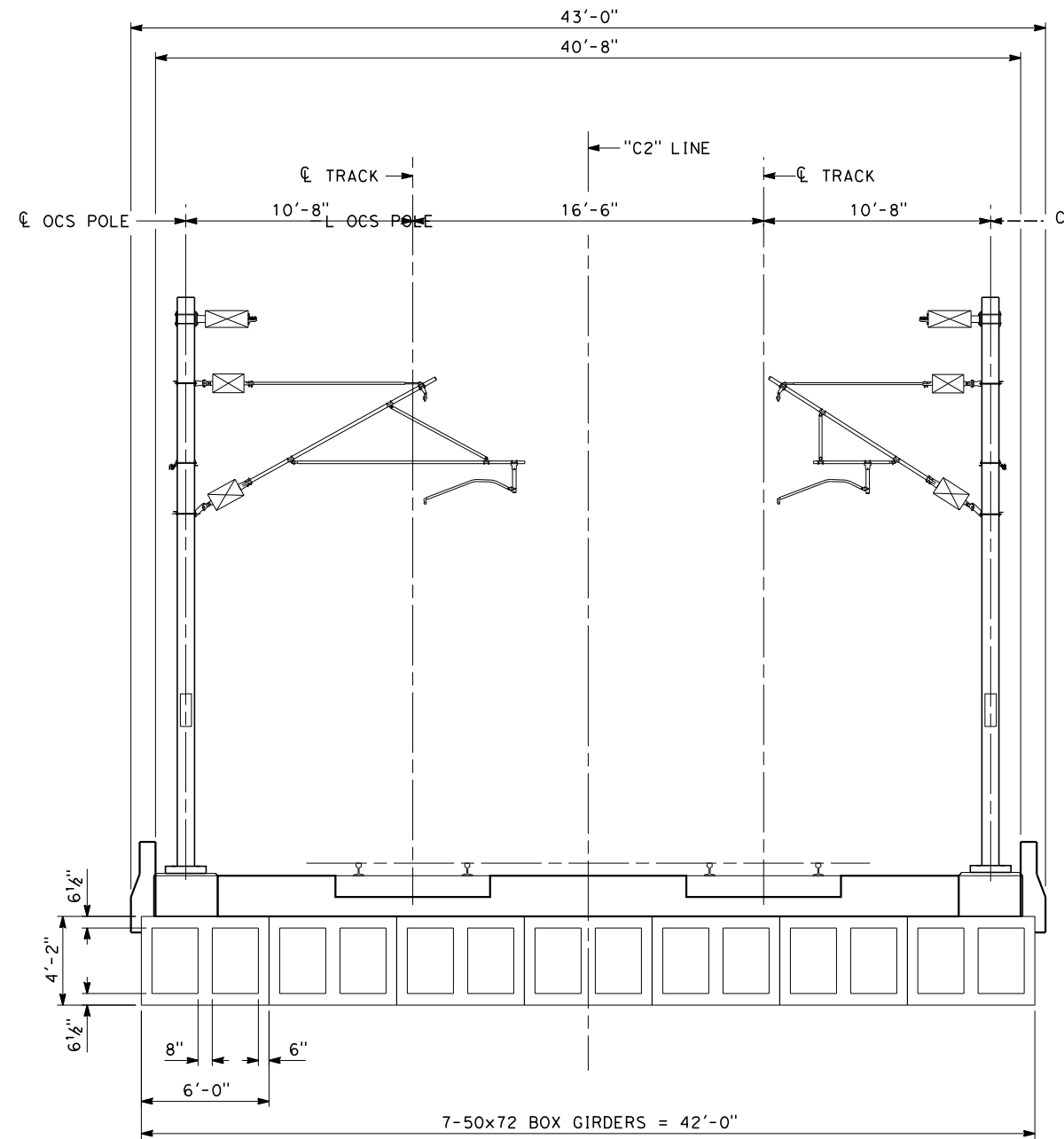
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CONSTRUCTION**



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STATE ROUTE 43 BNSF VIADUCT
TYPICAL SECTIONS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
SVXX02
SCALE
AS SHOWN
SHEET NO.
1 OF 7



SECTION AT SPAN
SCALE: 1/4" = 1'-0"

C-2 TYPICAL SECTION

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R. TREVETT
DATE
10/09/14

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DESIGN SUBMISSION**

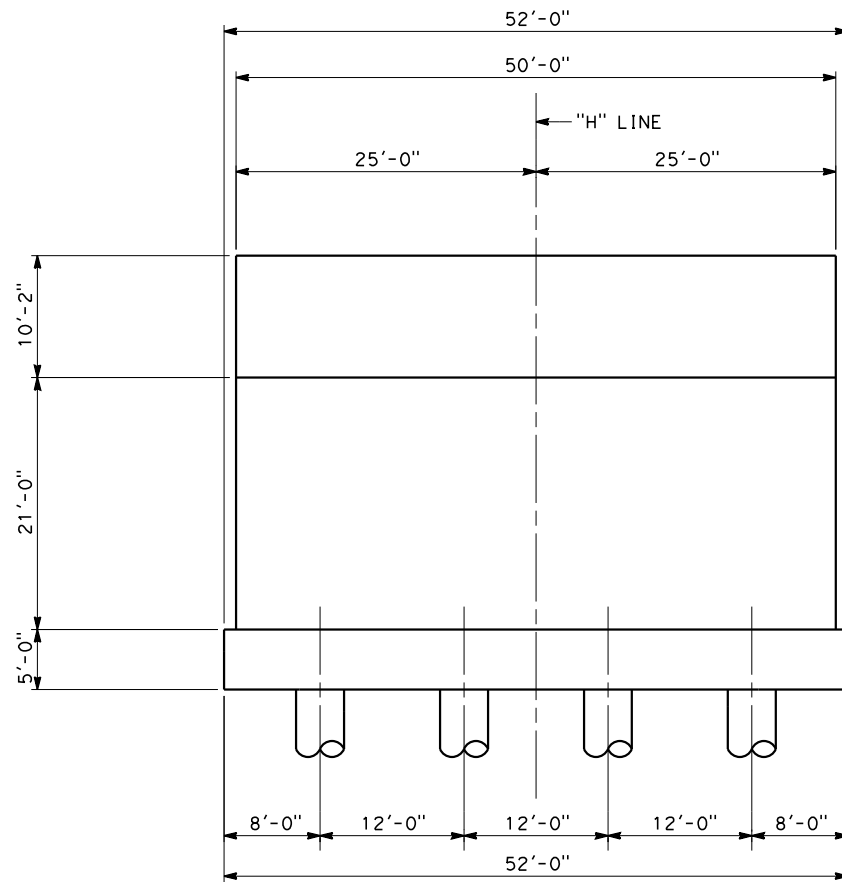
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CONSTRUCTION**



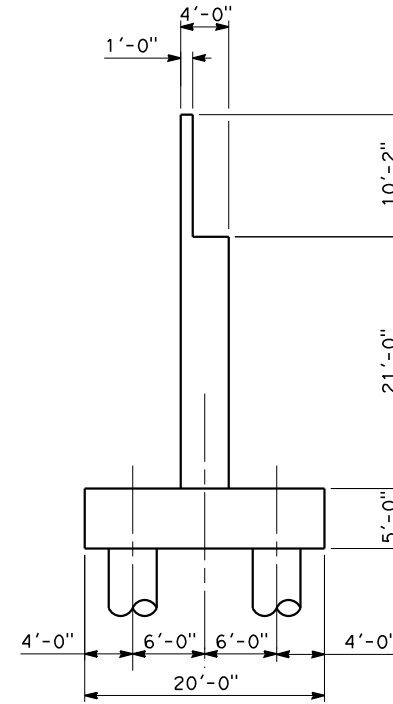
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STATE ROUTE 43 BNSF VIADUCT
TYPICAL SECTIONS

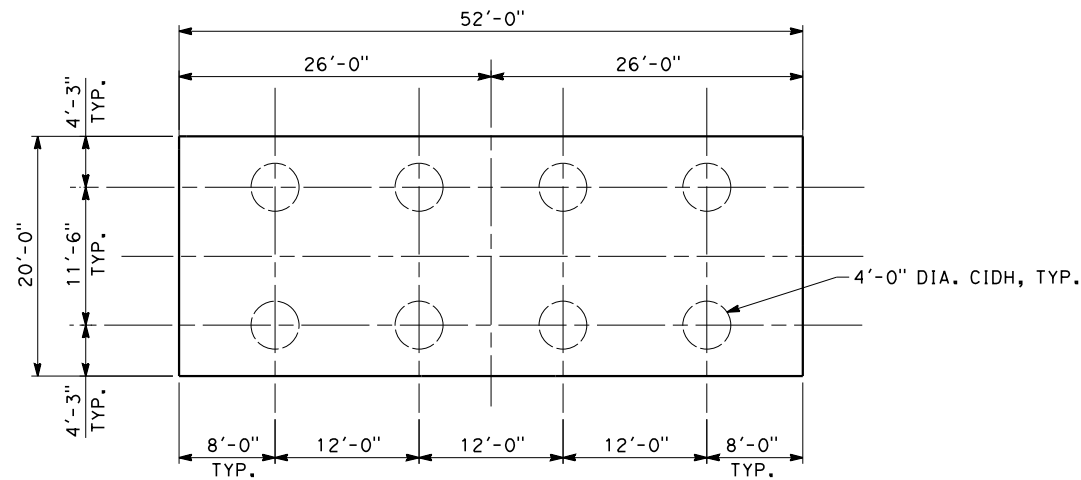
CONTRACT NO.
HSR 06-0003
DRAWING NO.
SVXX01
SCALE
AS SHOWN
SHEET NO.
2 OF 7



ELEVATION



SECTION



FOOTING PLAN

C-2 ABUTMENT

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IN CHARGE R. TREVETT
DATE 10/09/14

**RECORD SET 15%
DESIGN SUBMISSION**

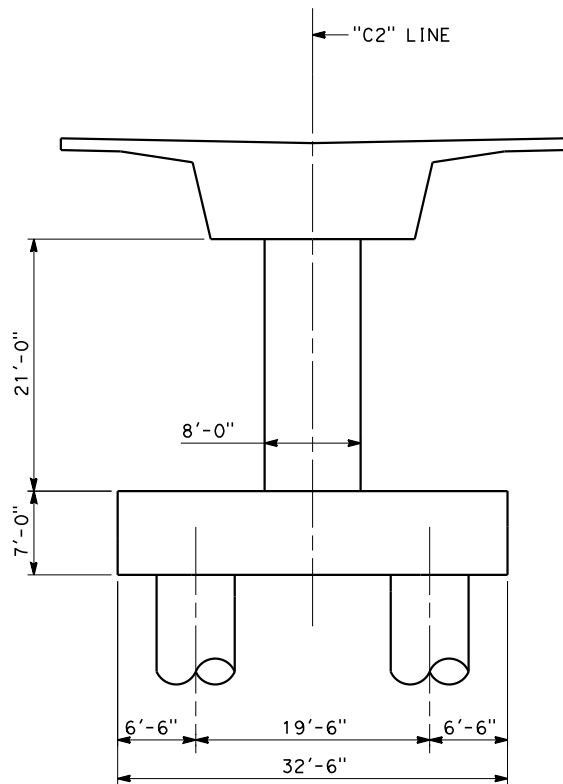
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CONSTRUCTION**



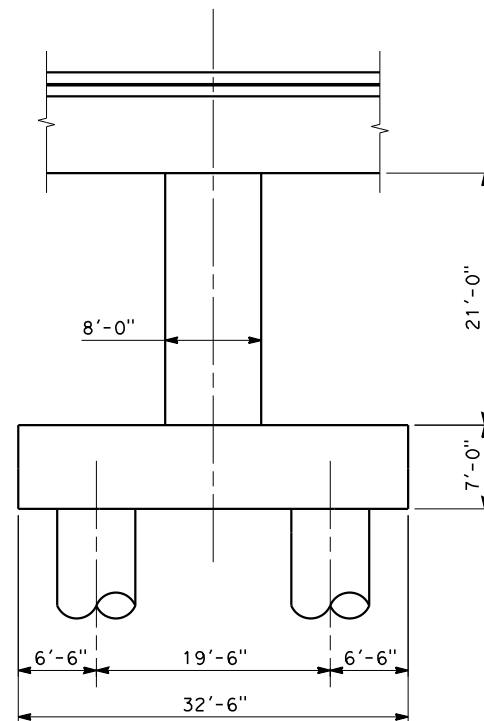
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STATE ROUTE 43 BNSF VIADUCT
TYPICAL SECTIONS

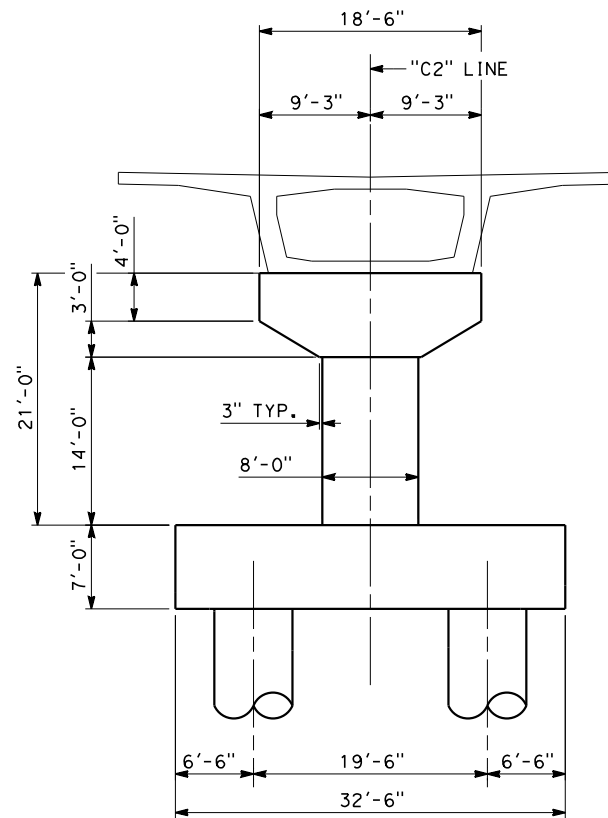
CONTRACT NO. HSR 06-0003
DRAWING NO. SVXX04
SCALE AS SHOWN
SHEET NO. 3 OF 7



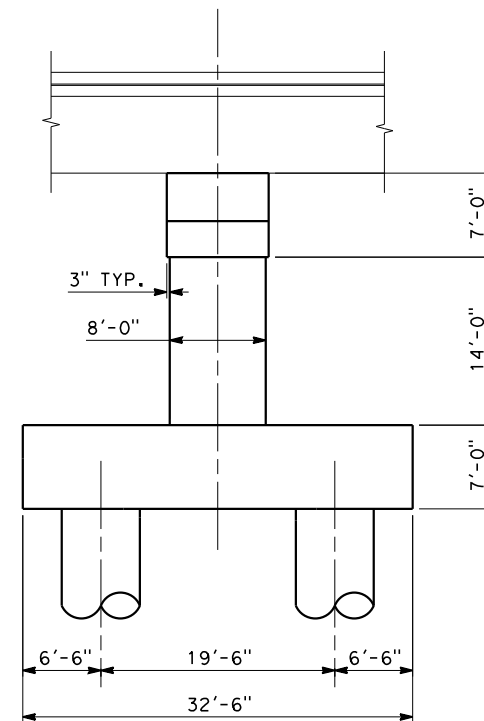
ELEVATION AT BENT 2
(AT FIXED ENDS)



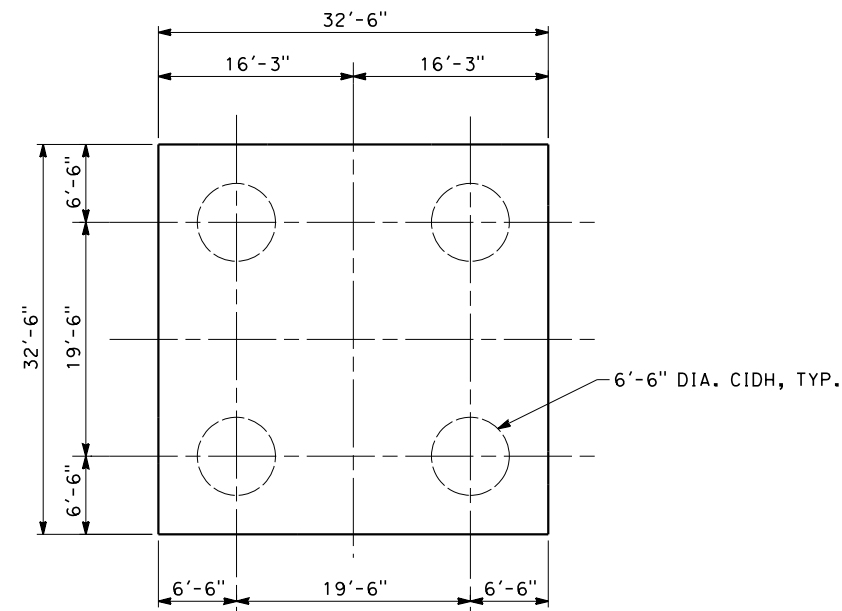
SECTION AT BENT 2
(AT FIXED ENDS)



ELEVATION AT BENT 3
(AT EXPANSION ENDS)



SECTION AT BENT 3
(AT EXPANSION ENDS)



FOOTING PLAN

C-3 BENT

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R. TREVETT
DATE
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DESIGN SUBMISSION**

**NOT FOR
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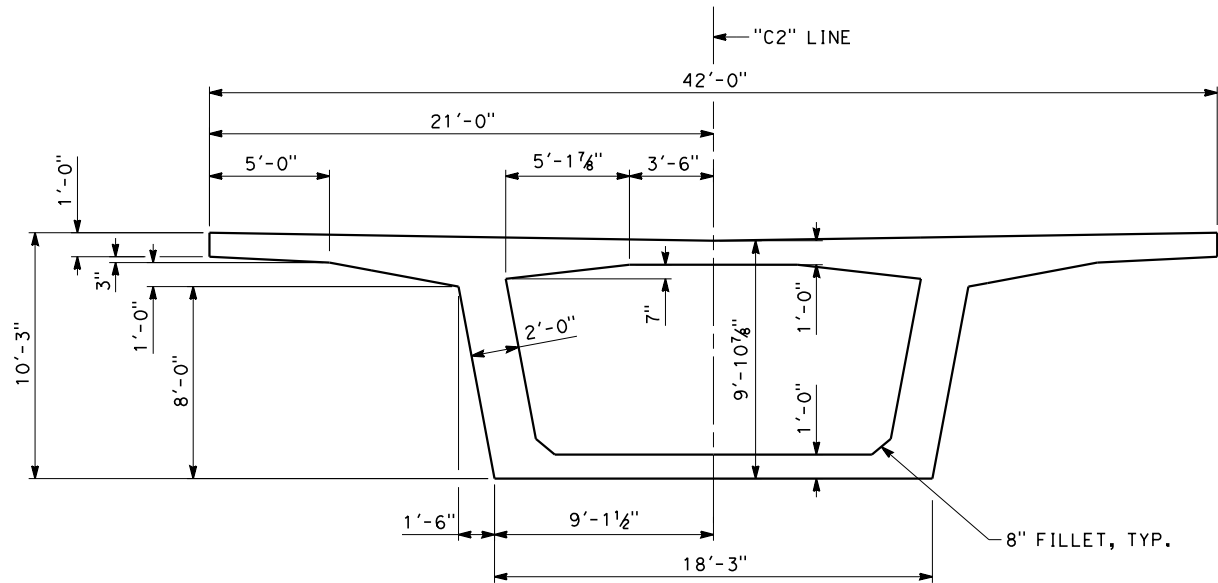


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN BYPASS SUBSECTION
ALIGNMENT C-2
STATE ROUTE 43 BNSF VIADUCT
TYPICAL SECTIONS

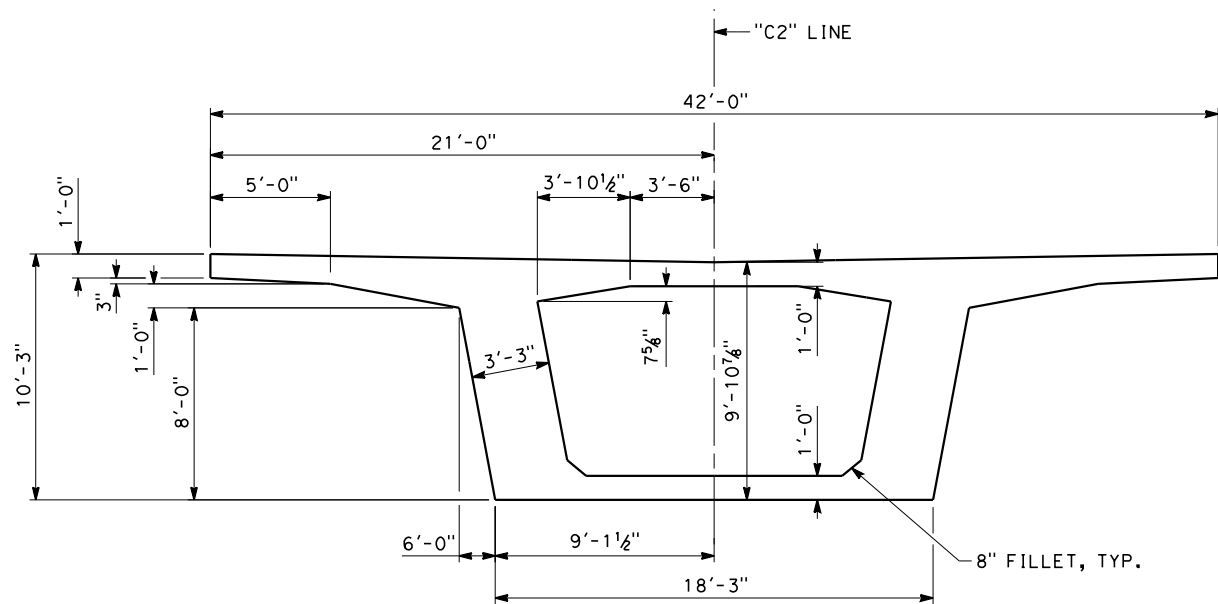
CONTRACT NO.
HSR 06-0003
DRAWING NO.
SVXX05
SCALE
AS SHOWN
SHEET NO.
4 OF 7

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10/15/2014 4:28:38 PM
dreeszeg



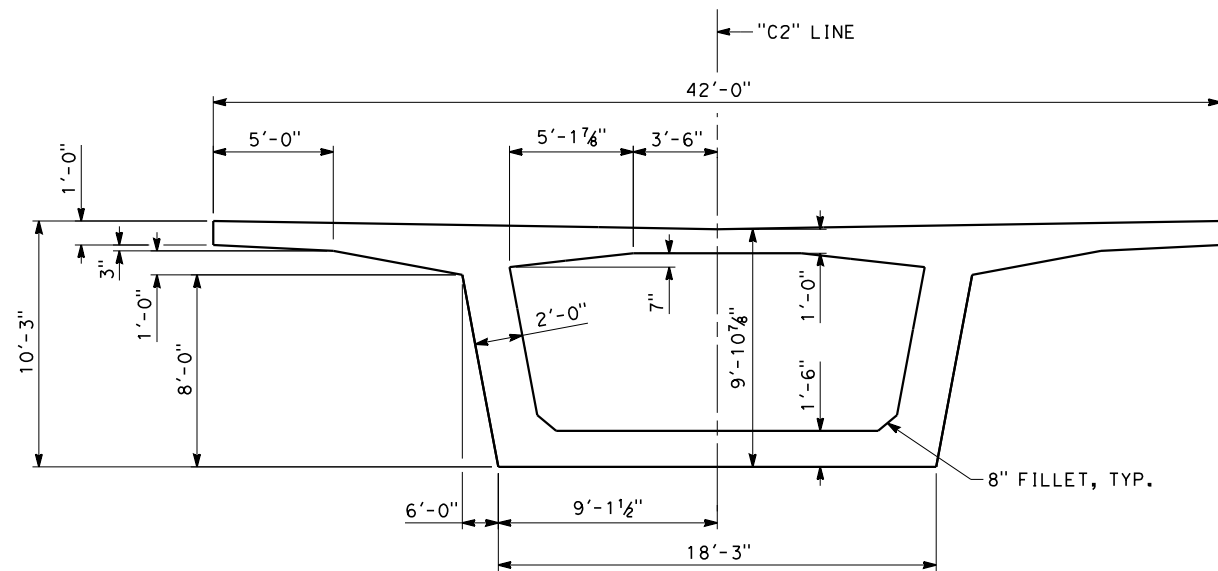
TYPICAL SECTION

DIMENSIONS SYMMETRICAL ABOUT C



SECTION AT ABUTMENT

DIMENSIONS SYMMETRICAL ABOUT C



SECTION AT PIER

DIMENSIONS SYMMETRICAL ABOUT C

C-3 120' SPAN TYPICAL SECTIONS

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DRAWN BY	A. PRICE
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IN CHARGE	R. TREVETT
DATE	10/09/14

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DESIGN SUBMISSION**

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CONSTRUCTION**

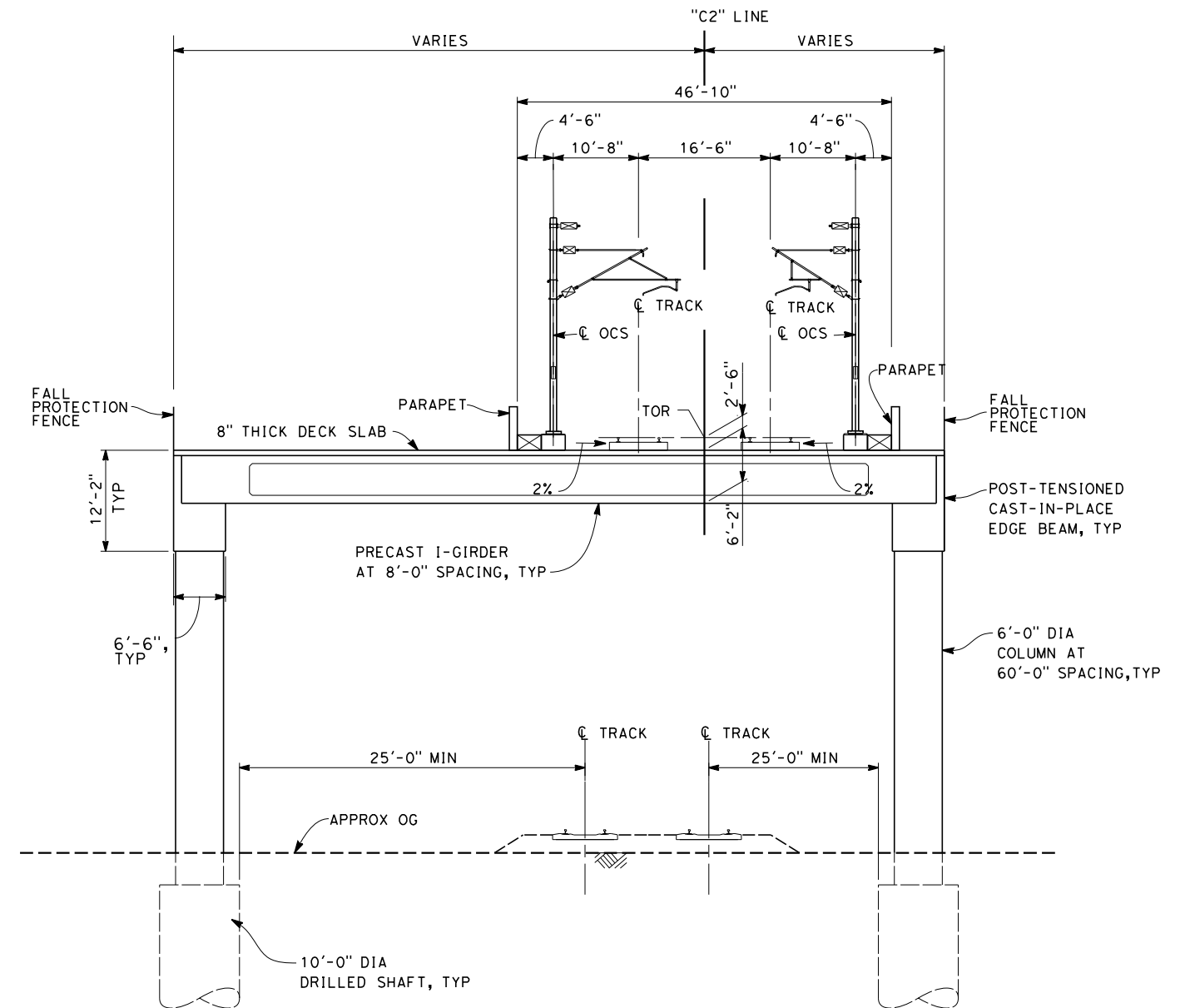


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STATE ROUTE 43 BNSF VIADUCT
TYPICAL SECTIONS

CONTRACT NO.	HSR 06-0003
DRAWING NO.	SVXX07
SCALE	AS SHOWN
SHEET NO.	5 OF 7

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dreeszeg



TYPICAL SECTION

SCALE: 1" = 10'

ELEVATED SLAB STRUCTURE

C-4 TYPICAL SECTION



DISCLAIMER:
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**RECORD SET 15%
DESIGN SUBMISSION**

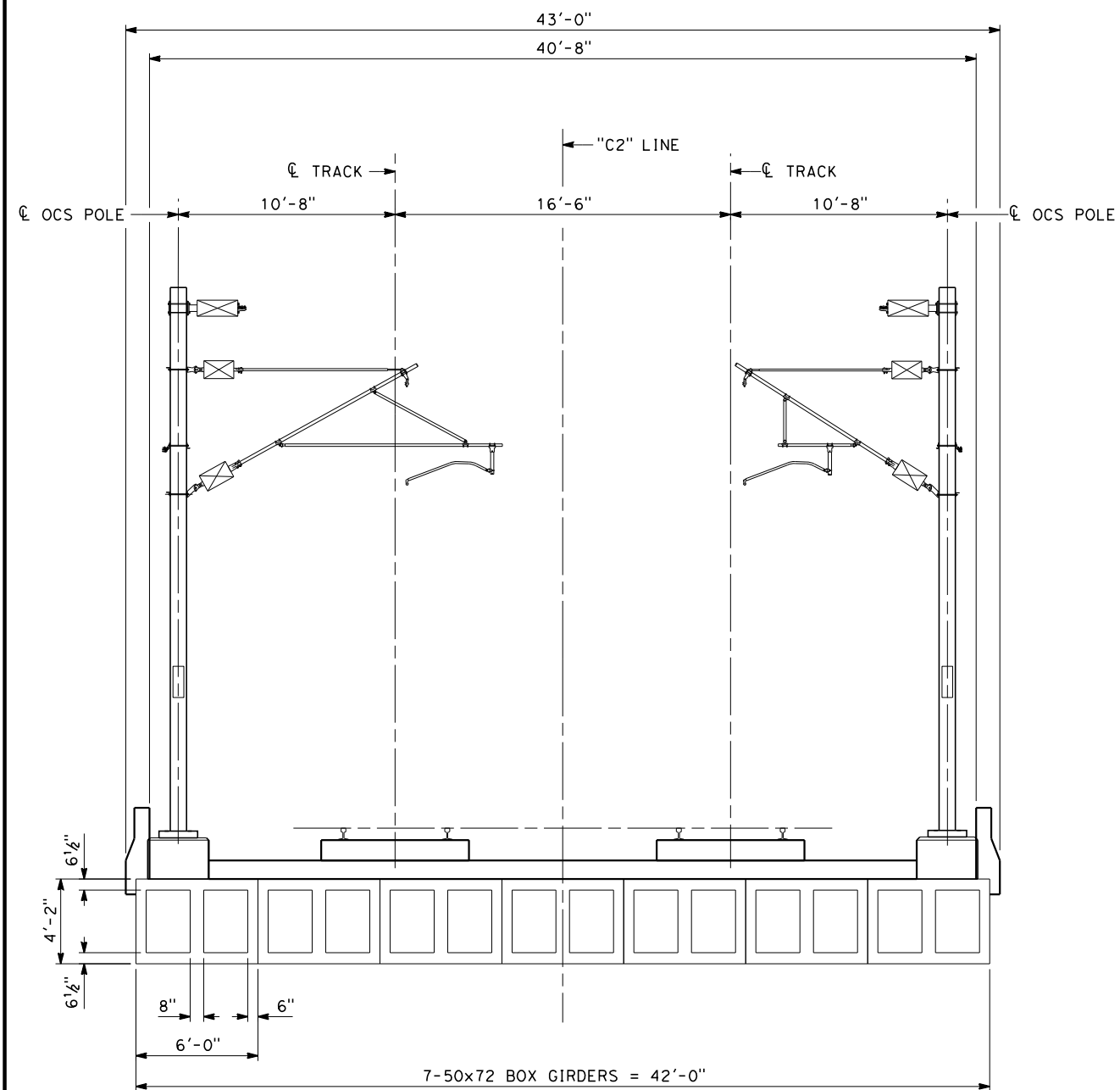
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CONSTRUCTION**



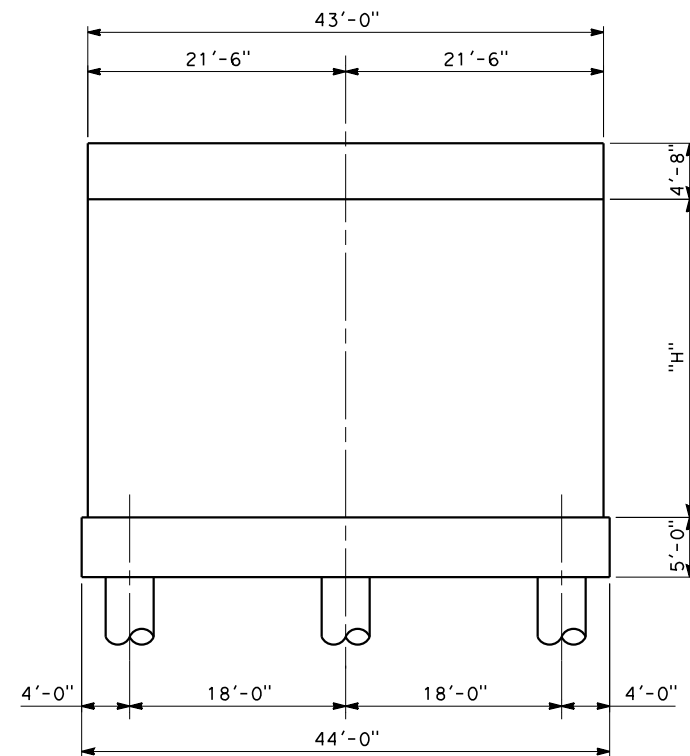
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
STATE ROUTE 43 BNSF VIADUCT
TYPICAL SECTIONS

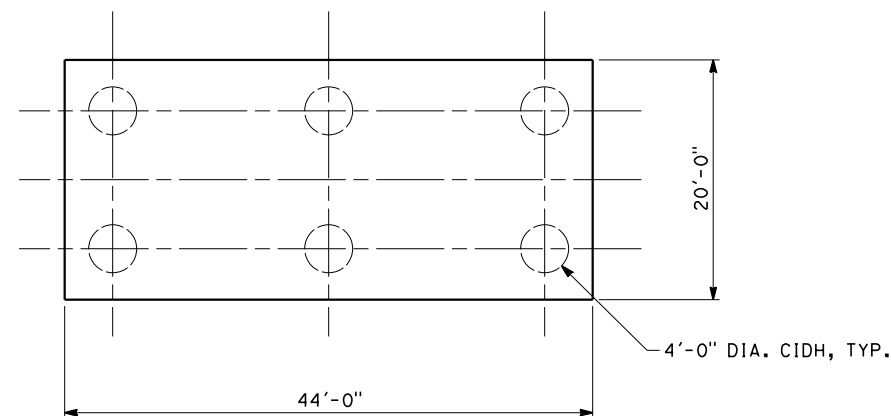
CONTRACT NO. HSR 06-0003
DRAWING NO.
SCALE AS SHOWN
SHEET NO. 6 OF 7



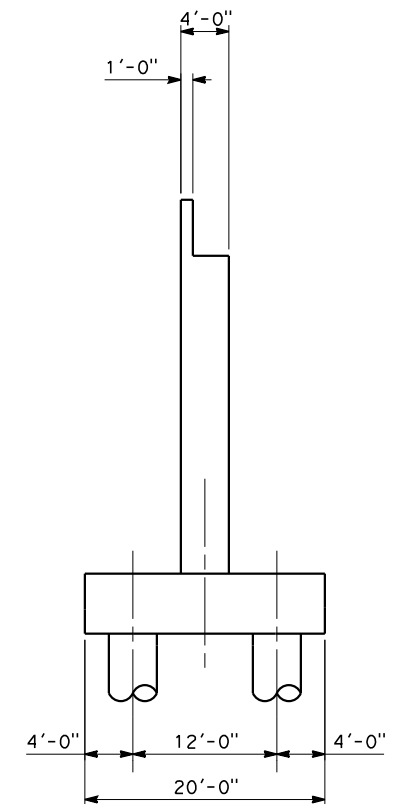
SECTION AT SPAN
SCALE: 1/4" = 1'-0"



ELEVATION
SCALE: 1/8" = 1'-0"



FOOTING PLAN
SCALE: $\frac{1}{8}" = 1'-0"$



SECTION
SCALE: 1/8" = 1'-0"

DIMENSIONS	
DIMENSIONS	C-5
"H"	35'-2"

C-5 ABUTMENT

DISCLAIMER:
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DESIGNED BY	K. LEE
DRAWN BY	A. PRICE
CHECKED BY	G. DREESZEN
IN CHARGE	R. TREVETT
DATE	10/09/14

**RECORD SET 15%
DESIGN SUBMISSION
-
NOT FOR
CONSTRUCTION**

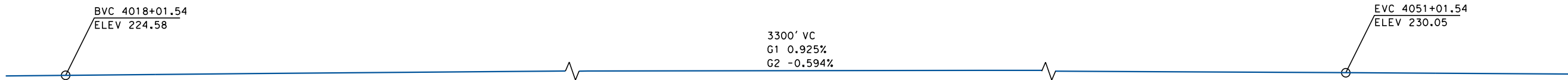


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

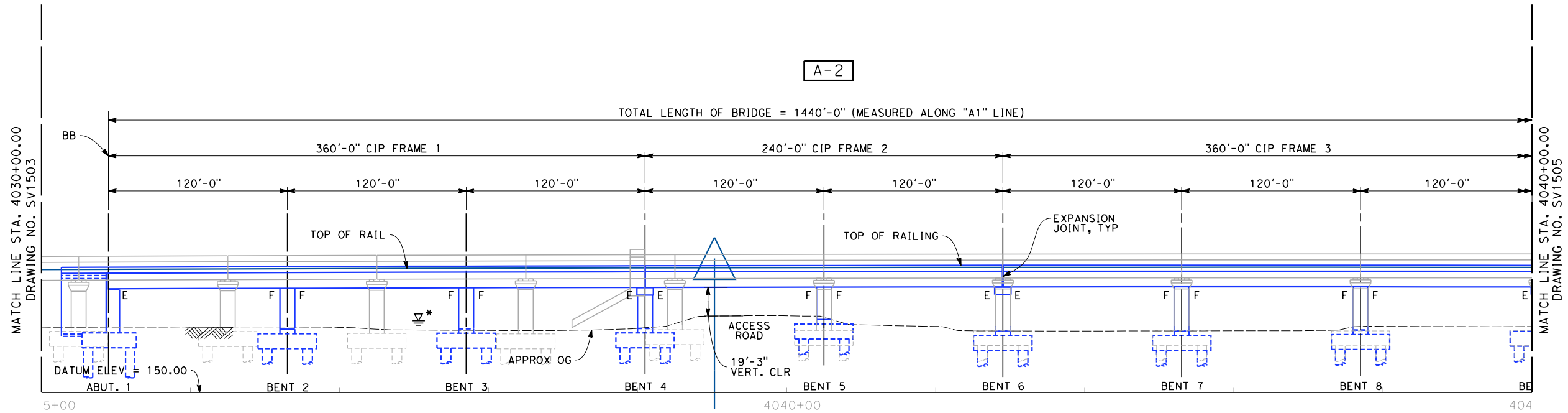
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
 CORCORAN BYPASS SUBSECTION
 ALIGNMENT C2
 STATE ROUTE 43 BNSF VIADUCT
 TYPICAL SECTIONS

CONTRACT NO.	HSR 06-0003
DRAWING NO.	SVXX01
SCALE	AS SHOWN
SHEET NO.	7 OF 7

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hal\al



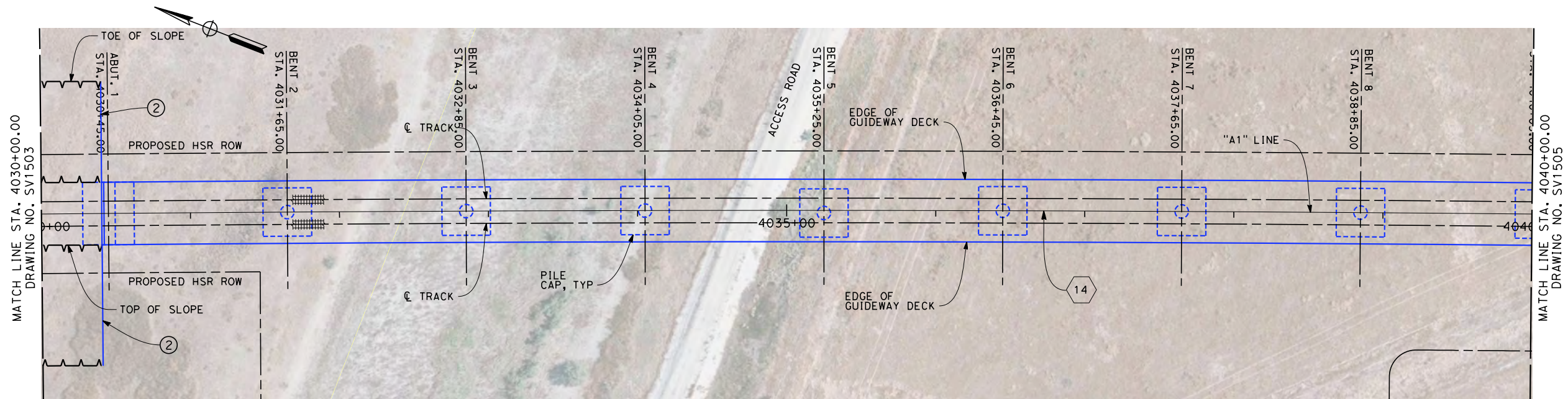
- NOTES**
1. SUPERSTRUCTURE CONSTRUCTION, UON
CONTINUOUS SPANS - CIP/PS CONC.
BOX GIRDER
 2. ELEVATED SLABS - PC BEAM AND
IN-SITU SLAB
 3. REFER TO TRACK ALIGNMENT DATA
TABLE FOR CURVE AND TANGENT
INFORMATION.



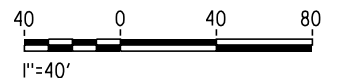
ELEVATION
SCALE 1" = 40'

- LEGEND:**
- ① CEMENT TREATED STRUCTURE BACKFILL
 - ② RETAINING WALL

- * ESTIMATED 100-YEAR FLOOD ELEVATION, SEE "FRESNO TO BAKERSFIELD CORRIDOR HYDROLOGY, HYDRAULICS AND DRAINAGE 15% DRAFT REPORT".
- ⊗ POINT OF MINIMUM CLEARANCE



- CURVE DATA**
- 14
- R = 50500.0'
Δ = 24° 16' 19.0"
T = 10859.4'
L = 21393.1'
- RFP DESIGN
— DFS PROPOSED



PLAN
SCALE 1" = 40'

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DESIGNED BY
K. LEE
DRAWN BY
A. PRICE
CHECKED BY
G. DREESZEN
IN CHARGE
R. TREVETT
DATE
10/09/14

**RECORD SET 15%
DESIGN SUBMISSION**

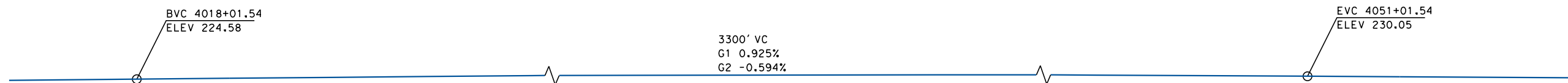
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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
DEER CREEK VIADUCT
PLAN AND ELEVATION

CONTRACT NO.
HSR 06-0003
DRAWING NO.
SV1504
SCALE
AS SHOWN
SHEET NO.
5 OF 9

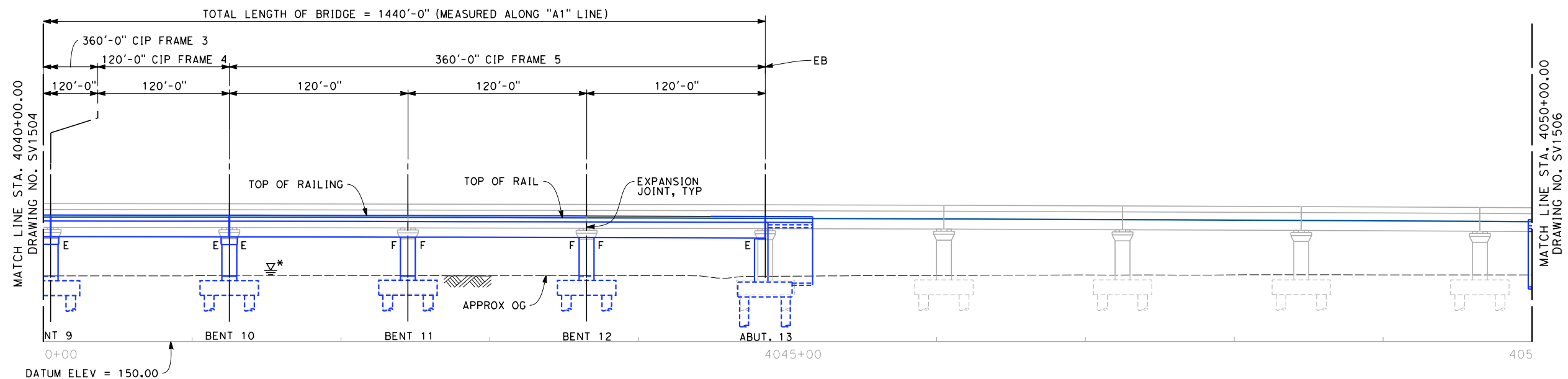
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dreeszega



TOP OF RAIL "A1" LINE

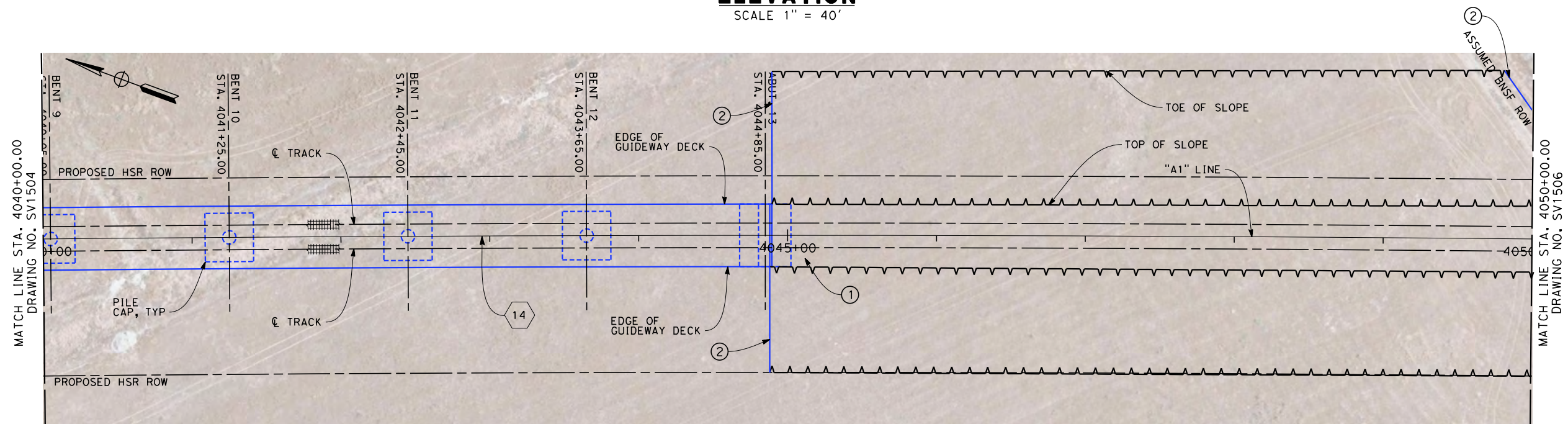
NO SCALE

A-2



ELEVATION

SCALE 1" = 40'



PLAN

SCALE 1" = 40'

NOTES

1. SUPERSTRUCTURE CONSTRUCTION, UON
CONTINUOUS SPANS - CIP/PS CONC.
BOX GIRDER
2. ELEVATED SLABS - PC BEAM AND
IN-SITU SLAB
3. REFER TO TRACK ALIGNMENT DATA
TABLE FOR CURVE AND TANGENT
INFORMATION.

LEGEND:

- ① CEMENT TREATED STRUCTURE
BACKFILL
- ② RETAINING WALL

* ESTIMATED 100-YEAR FLOOD
ELEVATION, SEE "FRESNO TO
BAKERSFIELD CORRIDOR
HYDROLOGY, HYDRAULICS AND
DRAINAGE 15% DRAFT REPORT".

⊗ POINT OF MINIMUM CLEARANCE

CURVE DATA

14

R = 50500.0'
Δ = 24° 16' 19.0"
T = 10859.4'
L = 21393.1'

— RFP DESIGN
— DFS PROPOSED

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DESIGNED BY
K. LEE
DRAWN BY
A. PRICE
CHECKED BY
G. DREESZEN
IN CHARGE
R. TREVETT
DATE
10/09/14

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DESIGN SUBMISSION
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CONSTRUCTION

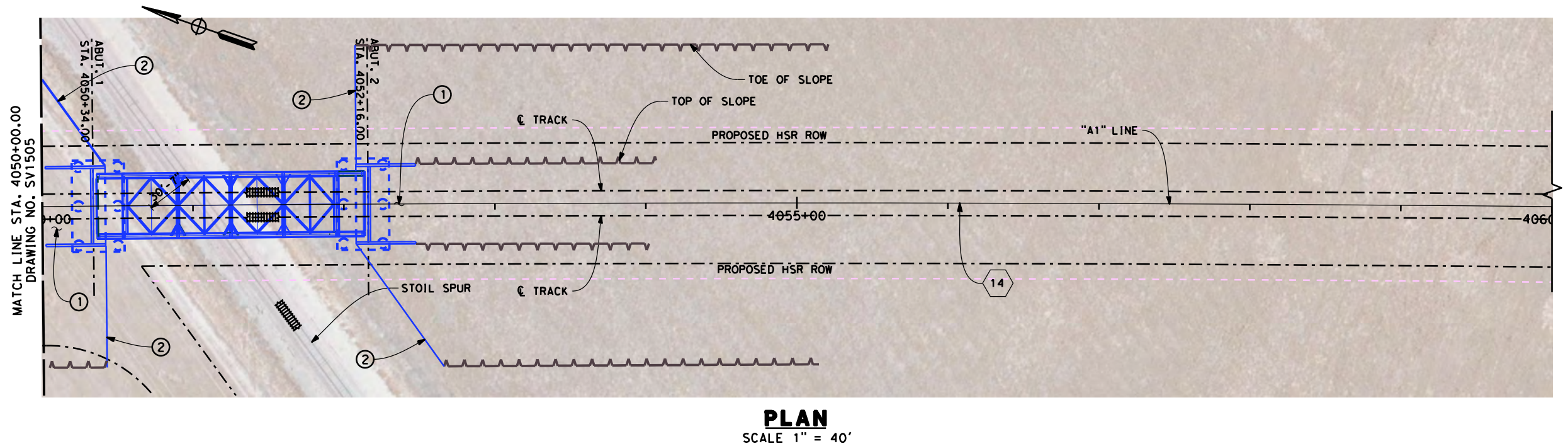
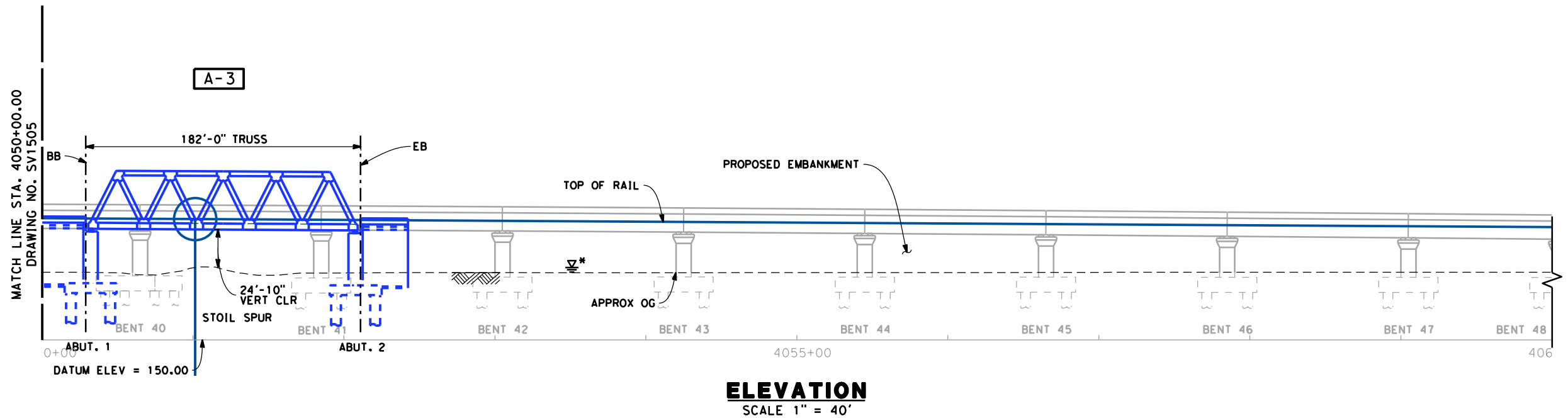
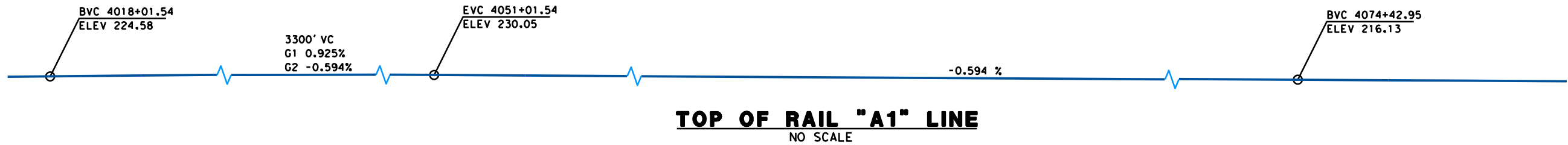


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
DEER CREEK VIADUCT
PLAN AND ELEVATION

CONTRACT NO.
HSR 06-0003
DRAWING NO.
SV1505
SCALE
AS SHOWN
SHEET NO.
6 OF 9

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dreeszega



NOTES

1. SUPERSTRUCTURE CONSTRUCTION, UOI
CONTINUOUS SPANS - CIP/PS CONC.
BOX GIRDER
2. ELEVATED SLABS - PC BEAM AND
IN-SITU SLAB
3. REFER TO TRACK ALIGNMENT DATA
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INFORMATION.

LEGEND:

- ① CEMENT TREATED STRUCTURE
BACKFILL
- ② RETAINING WALL

* ESTIMATED 100-YEAR FLOOD
ELEVATION, SEE "FRESNO TO
BAKERSFIELD CORRIDOR
HYDROLOGY, HYDRAULICS AND
DRAINAGE 15% DRAFT REPORT".

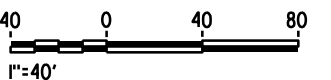
⊗ POINT OF MINIMUM CLEARANCE

CURVE DATA

14

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Δ = 24° 16' 19.0"
T = 10859.4'
L = 21393.1'

— RFP DESIGN
— DFS PROPOSED



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DESIGNED BY
K. LEE
DRAWN BY
A. PRICE
CHECKED BY
G. DREESZEN
IN CHARGE
R. TREVETT
DATE
10/09/14

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

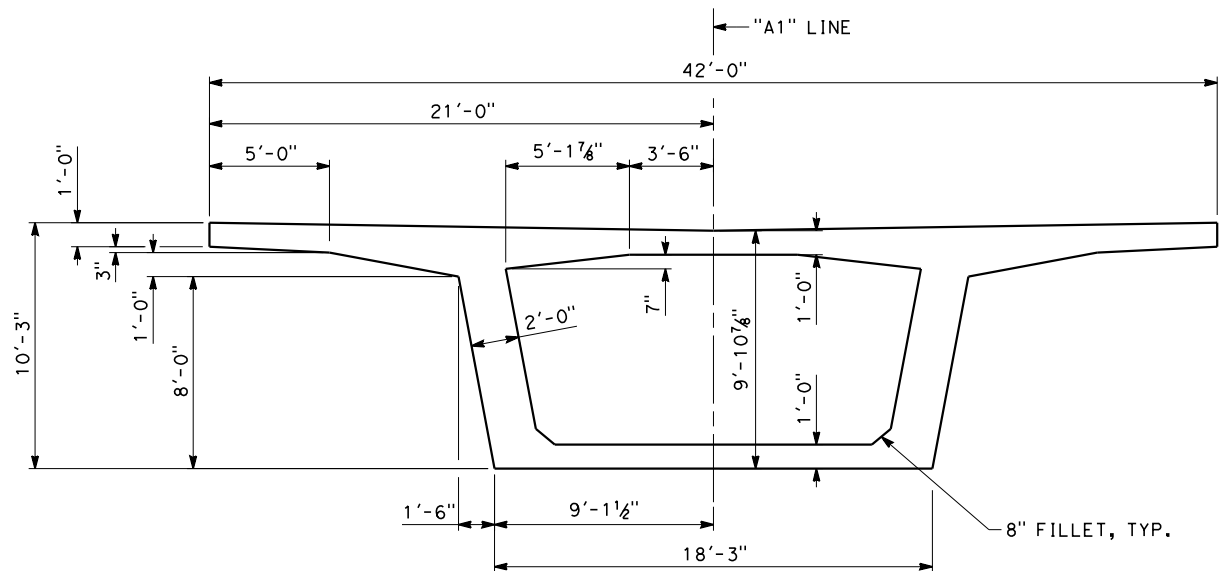


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

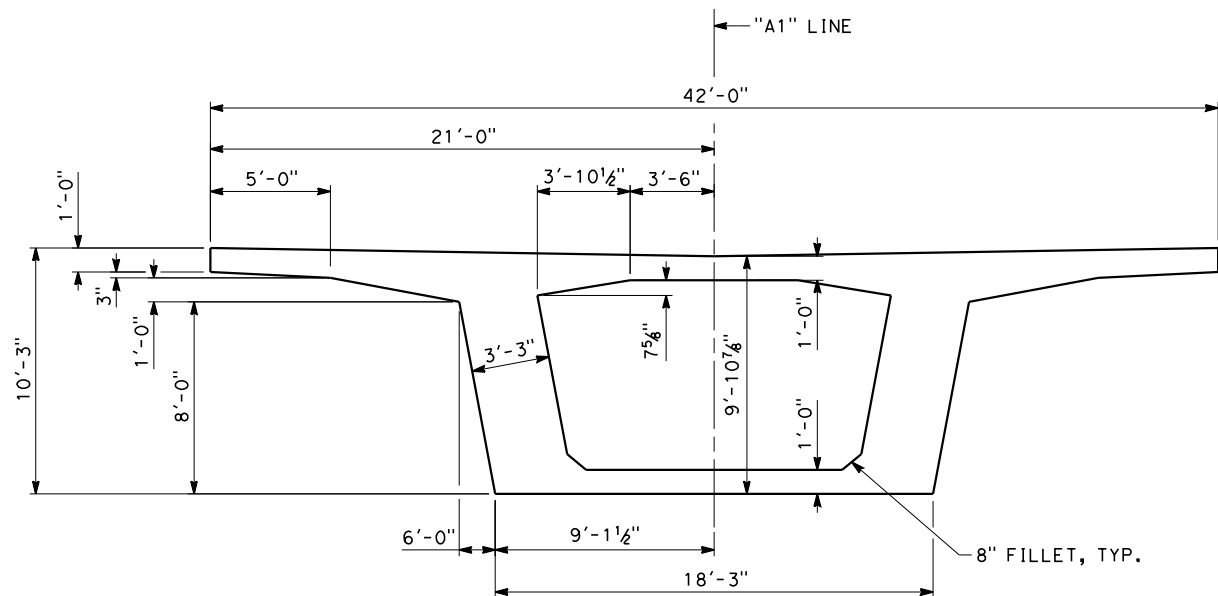
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
DEER CREEK VIADUCT
PLAN AND ELEVATION

CONTRACT NO.
HSR 06-0003
DRAWING NO.
SV1506
SCALE
AS SHOWN
SHEET NO.
7 OF 9

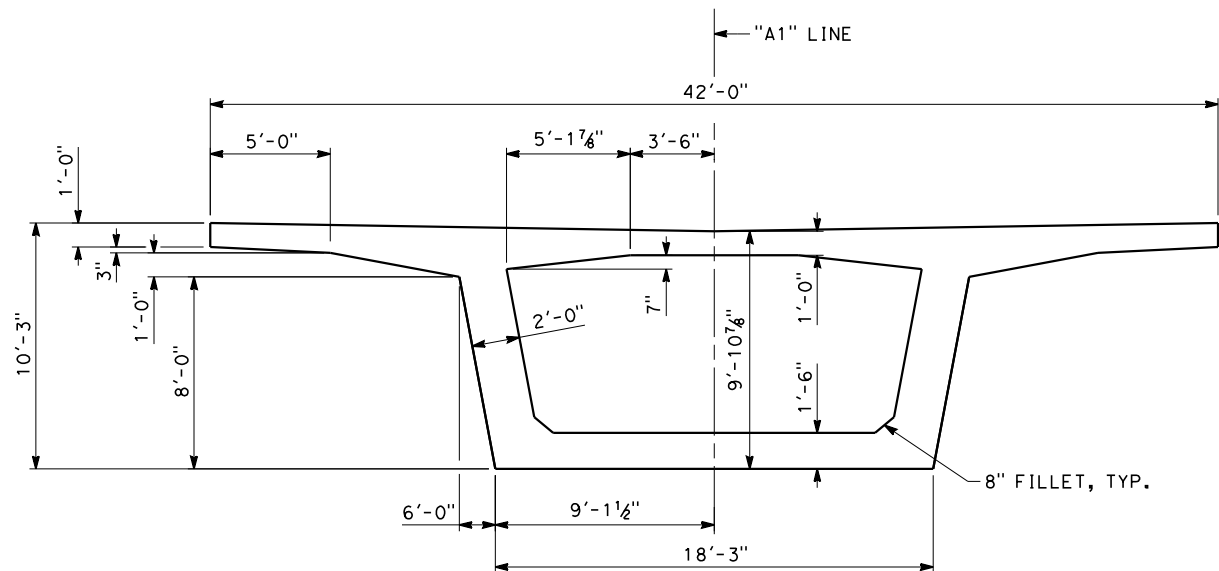
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TYPICAL SECTION
DIMENSIONS SYMMETRICAL ABOUT CL



SECTION AT ABUTMENT
DIMENSIONS SYMMETRICAL ABOUT CL



SECTION AT PIER
DIMENSIONS SYMMETRICAL ABOUT CL

A-2 TYPICAL SECTIONS

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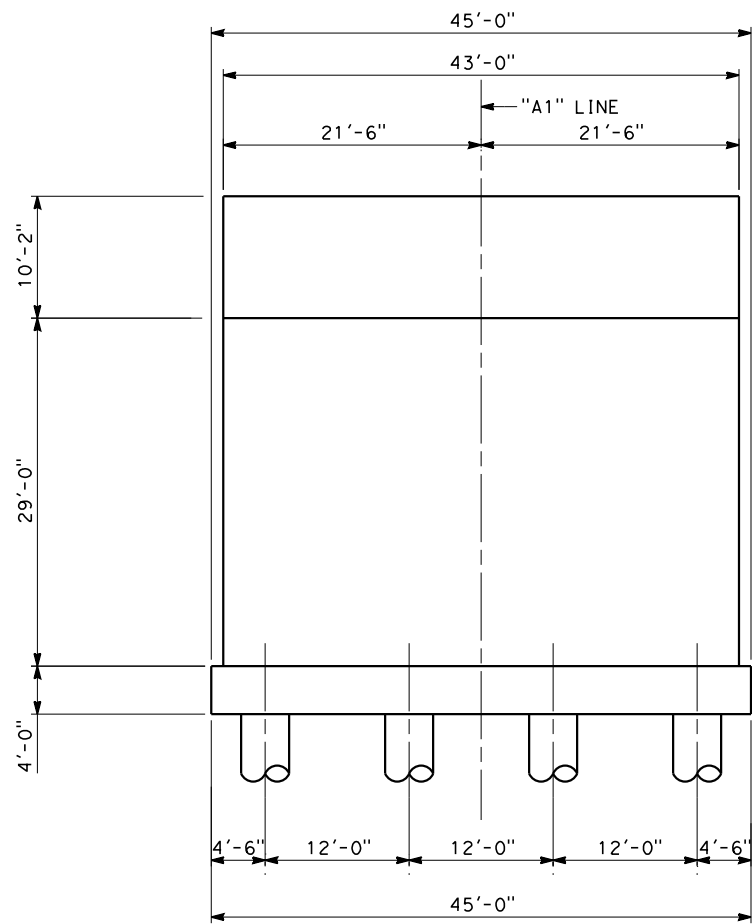
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ALLENSWORTH BYPASS SECTION
ALIGNMENT A1
DEER CREEK VIADUCT
TYPICAL SECTIONS

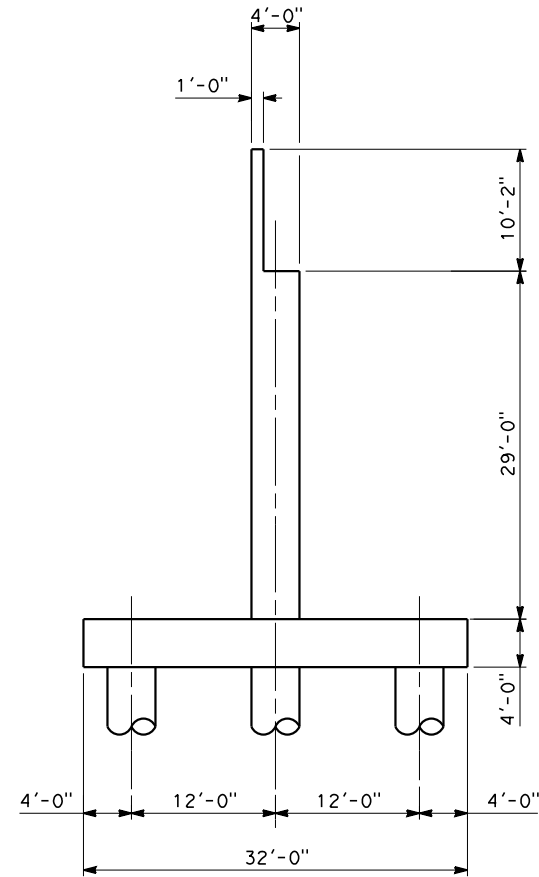
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DRAWING NO.

SCALE
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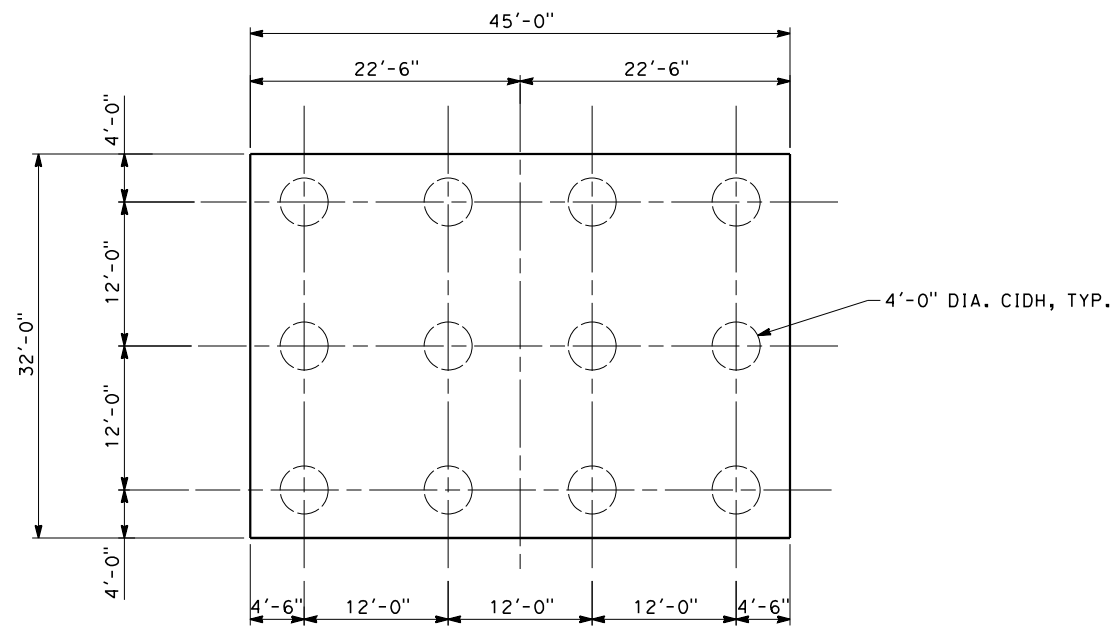
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ELEVATION



SECTION



FOOTING PLAN

A-2 ABUTMENT

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DESIGNED BY	K. LEE
DRAWN BY	A. PRICE
CHECKED BY	G. DREESZEN
IN CHARGE	R. TREVETT
DATE	10/09/14

**RECORD SET 15%
DESIGN SUBMISSION**

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CONSTRUCTION**



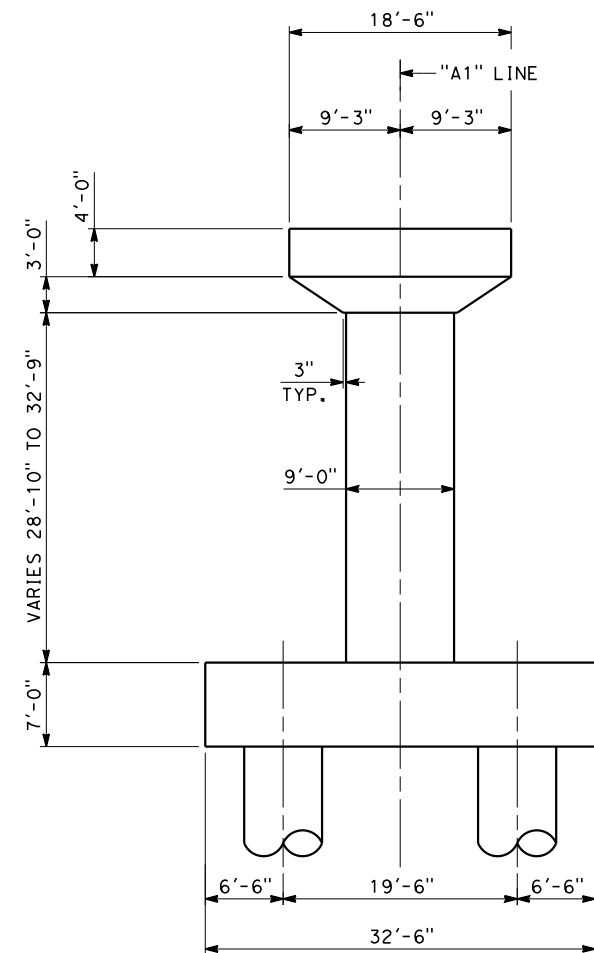
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

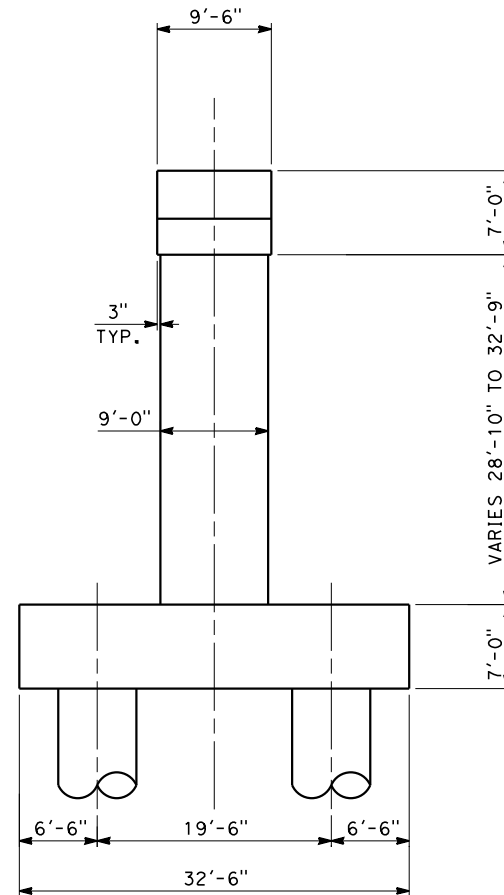
ALLENSWORTH BYPASS SECTION
ALIGNMENT A1
DEER CREEK VIADUCT
TYPICAL SECTIONS

CONTRACT NO.	HSR 06-0003
DRAWING NO.	SVXX08
SCALE	AS SHOWN
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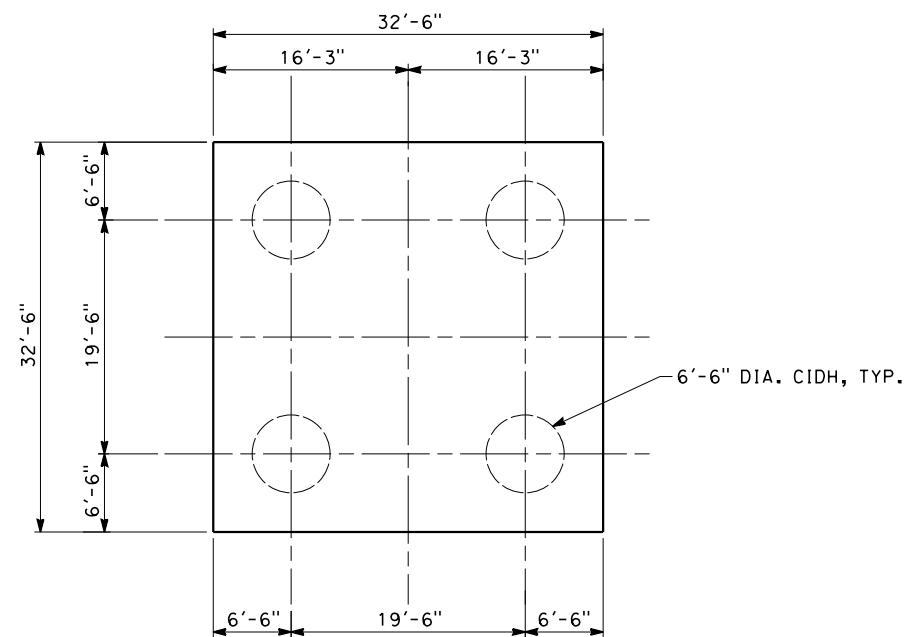
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ELEVATION



SECTION



FOOTING PLAN

A-2 BENT

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DRAWN BY	A. PRICE
CHECKED BY	G. DREESZEN
IN CHARGE	R. TREVETT
DATE	10/09/14

**RECORD SET 15%
DESIGN SUBMISSION**

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CONSTRUCTION**



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

ALLENSWORTH BYPASS SECTION
ALIGNMENT A1
DEER CREEK VIADUCT
TYPICAL SECTIONS

CONTRACT NO.	HSR 06-0003
DRAWING NO.	SVXX08
SCALE	AS SHOWN
SHEET NO.	



CONTRACT NO.	HSR 06-0003
DRAWING NO.	SVXX01
SCALE	AS SHOWN
SHEET NO.	18 OF 18

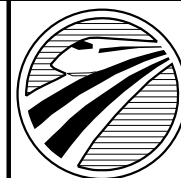
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DESIGNED BY K. LEE
DRAWN BY A. PRICE
CHECKED BY G. DREESZEN
IN CHARGE R. TREVETT
DATE 10/09/14

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DESIGN SUBMISSION**

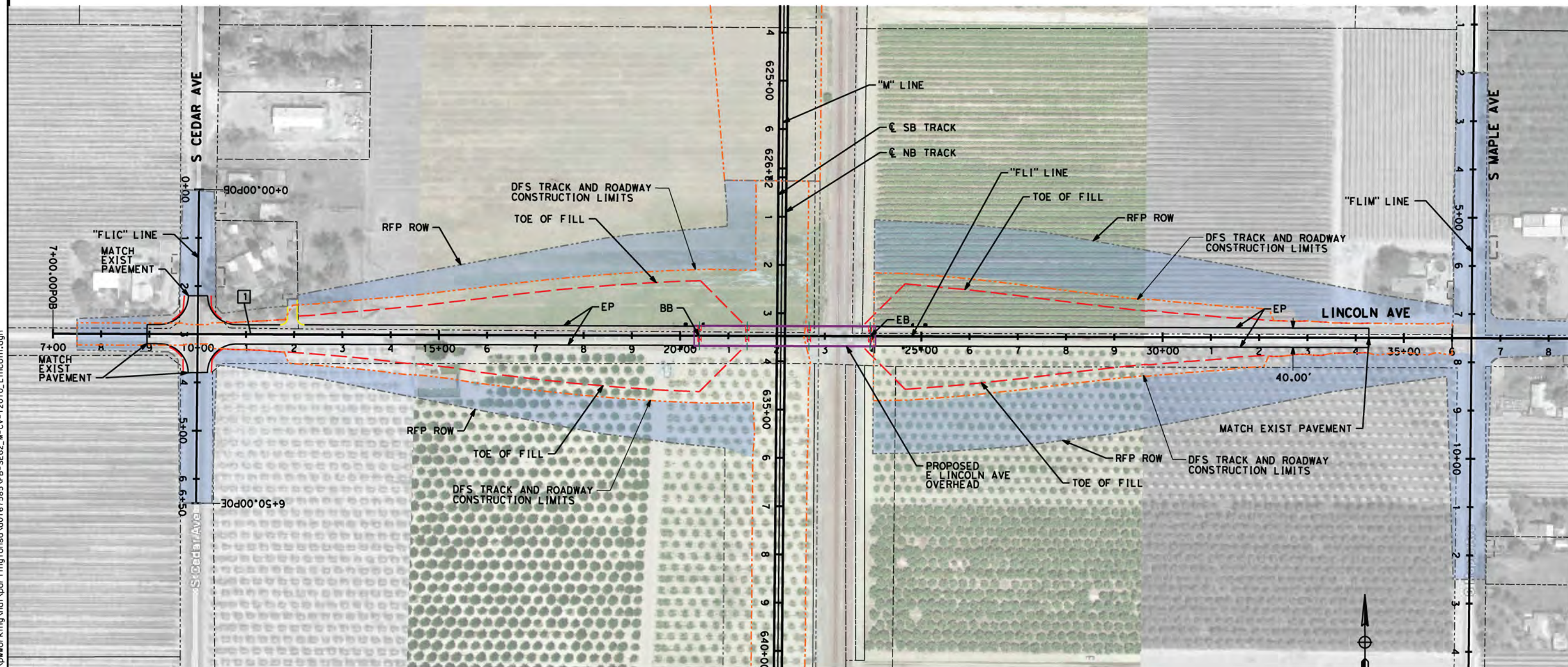
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**NOT FOR
CONSTRUCTION**



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

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LINE DATA

NO.	BEARING	DISTANCE
1	S89°49'15"E	3200.00'

REDUCTION IN CONSTRUCTION LIMITS

DISCLAIMER:
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DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

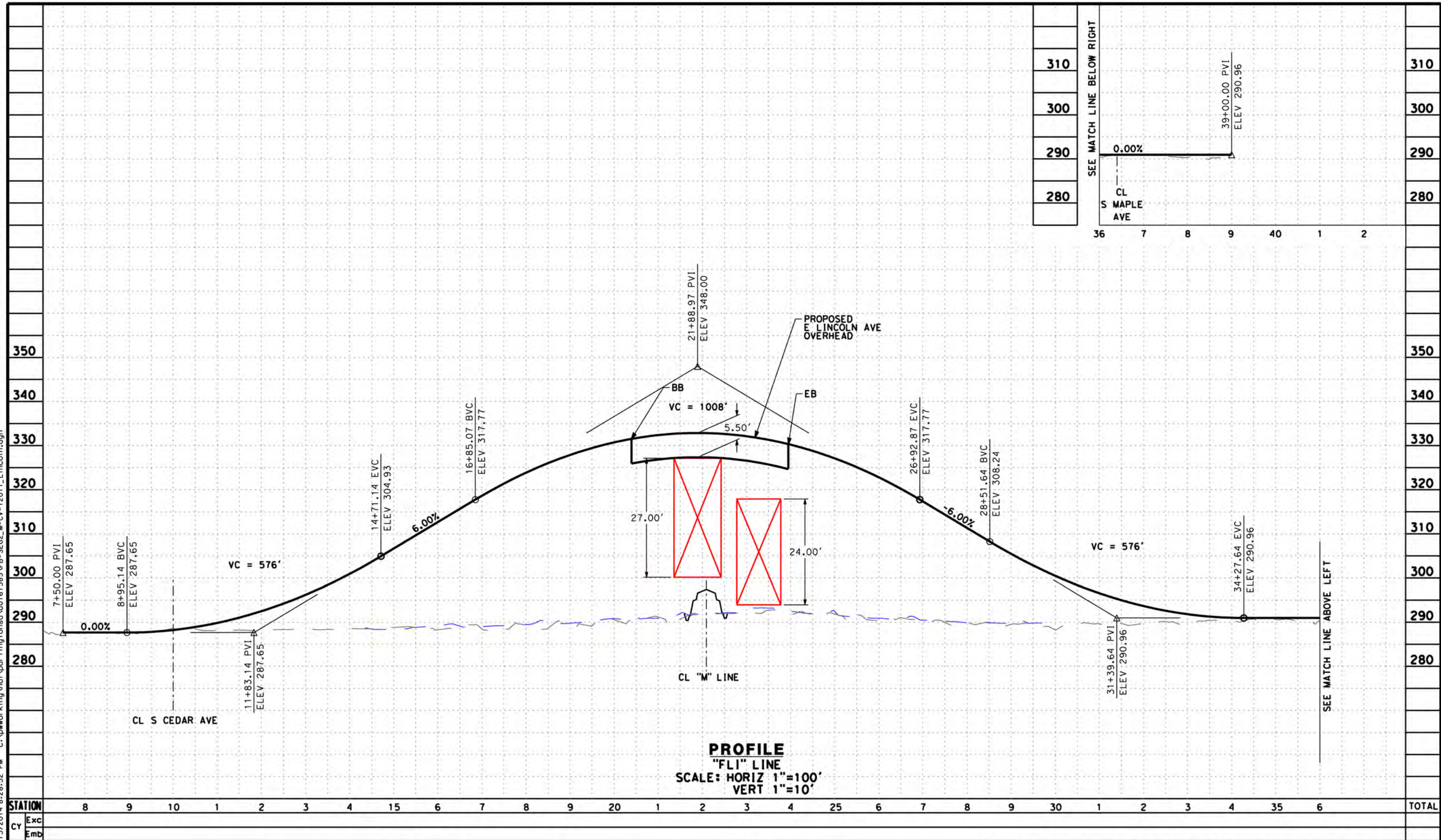


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
MONMOUTH SUBSECTION
ALIGNMENT M
GRADE SEPARATION LAYOUT
E LINCOLN AVENUE

CONTRACT NO.
HST 06-0003
DRAWING NO.
T2010
SCALE
AS SHOWN
SHEET NO.
- OF -

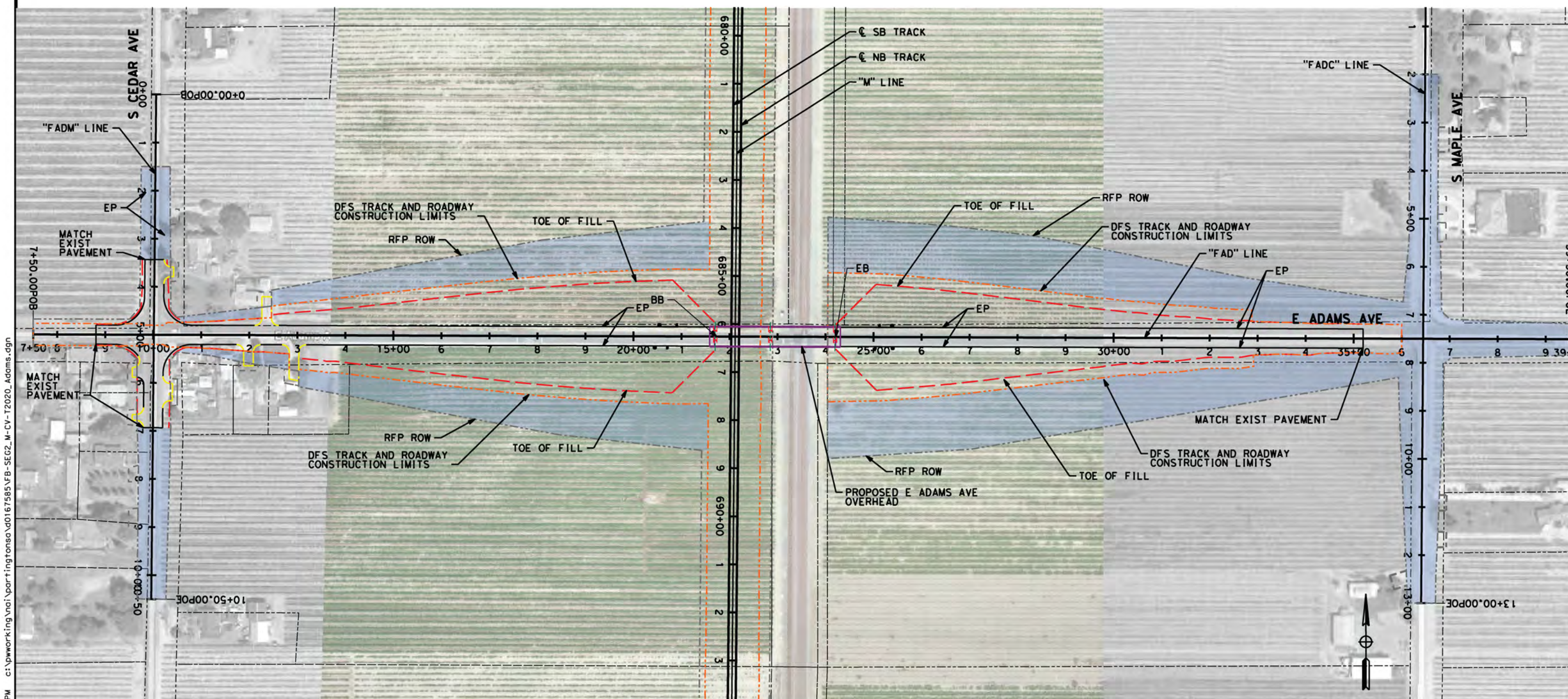
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	DRAWN BY Z. ROOKHUYZEN					DRAWING NO. T2011
	CHECKED BY E. KARAM					SCALE AS SHOWN
	IN CHARGE R. TREVETT					SHEET NO. X OF XX
	DATE 08/28/14					

LINE DATA

NO.	BEARING	DISTANCE
1	S89°49'13"E	3200.00'



REDUCTION IN CONSTRUCTION LIMITS

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B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

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CONSTRUCTION



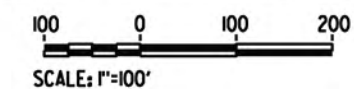
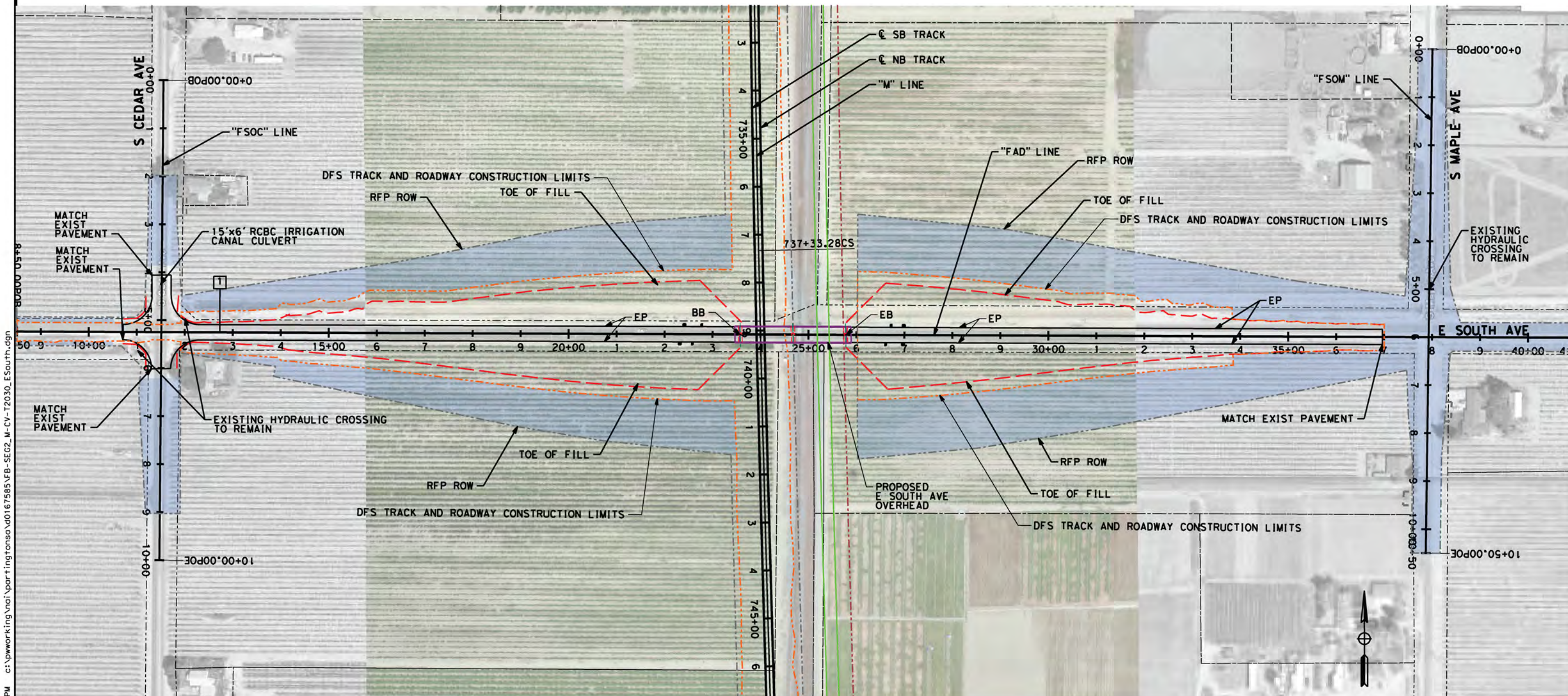
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
MONMOUTH SUBSECTION
ALIGNMENT M
GRADE SEPARATION LAYOUT
E ADAMS AVENUE

CONTRACT NO.
HST 06-0003
DRAWING NO.
T2020
SCALE
AS SHOWN
SHEET NO.
- OF -

LINE DATA

NO.	BEARING	DISTANCE
1	S89°46'25"E	3250.00'



REDUCTION IN CONSTRUCTION LIMITS

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B. Kidd
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Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

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CONSTRUCTION

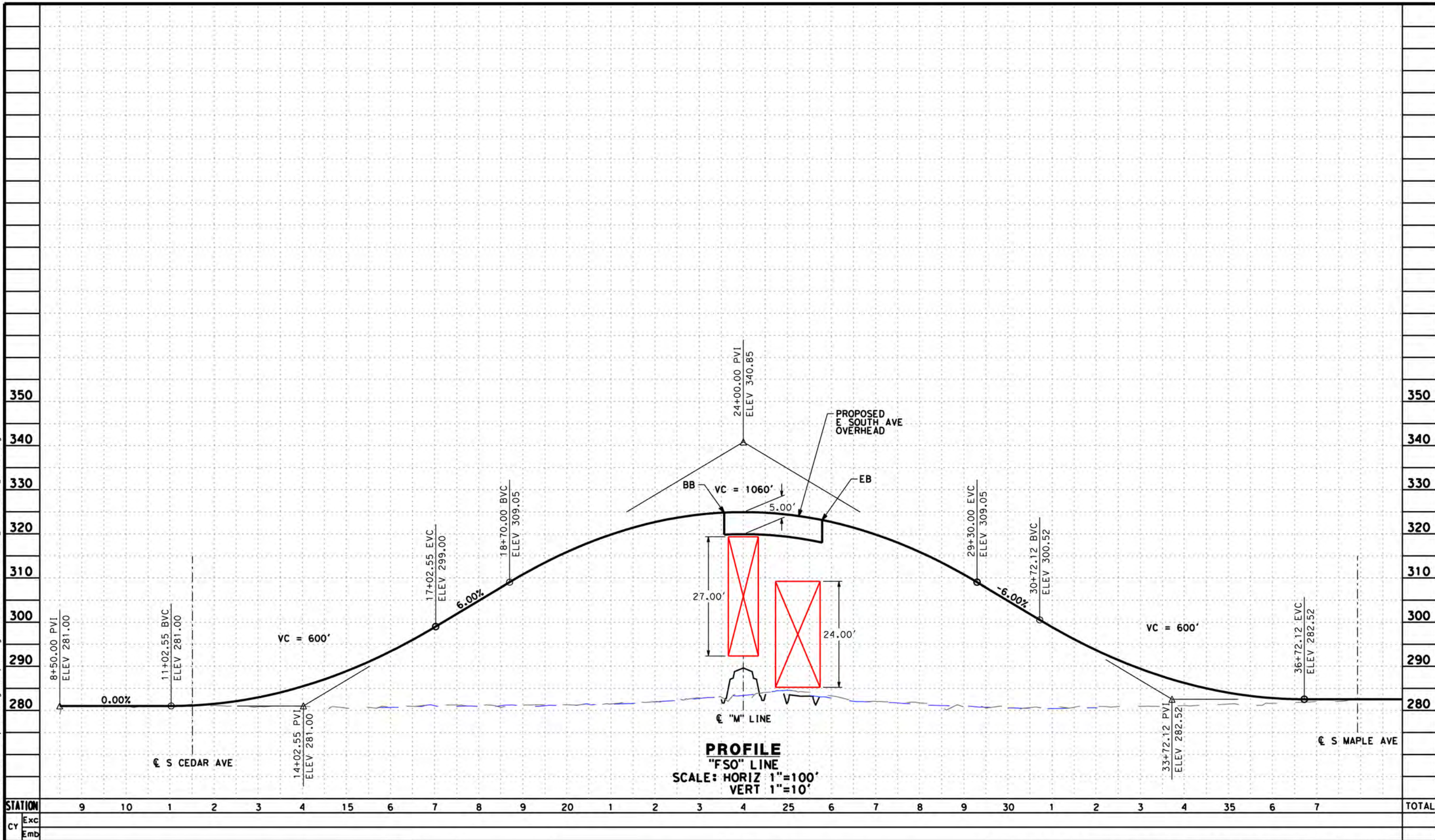


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
MONMOUTH SUBSECTION
ALIGNMENT M
GRADE SEPARATION LAYOUT
E SOUTH AVENUE

CONTRACT NO.
HST 06-0003
DRAWING NO.
T2030
SCALE
AS SHOWN
SHEET NO.
- OF -

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DISCLAIMER:
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DESIGNED BY
B. KIDD
DRAWN BY
Z. ROOKHUYZEN
CHECKED BY
E. KARAM
IN CHARGE
R. TREVETT
DATE
08/29/14

RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION

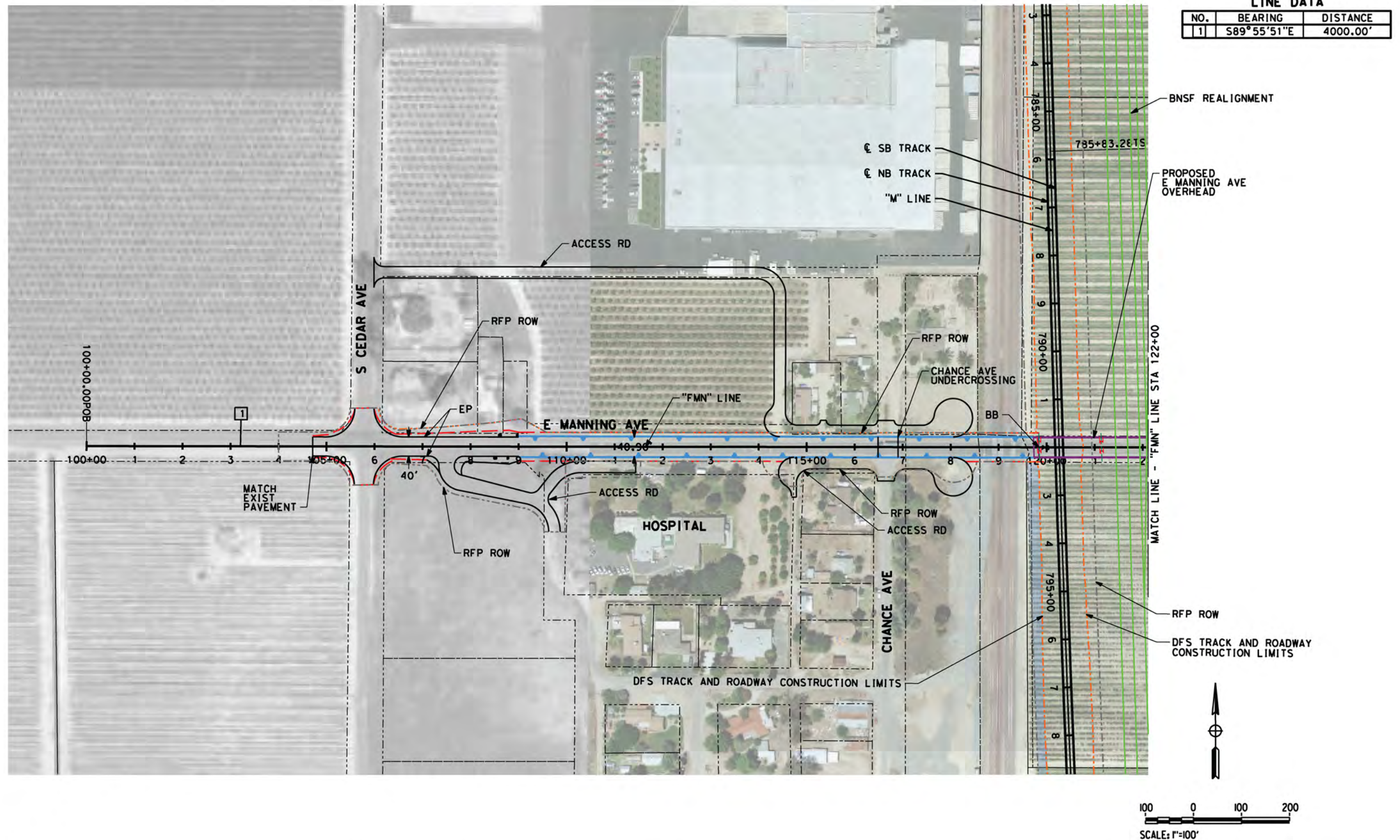


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
MONMOUTH SUBSECTION
ALIGNMENT M
GRADE SEPARATION PROFILE
E SOUTH AVE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
T2031
SCALE
AS SHOWN
SHEET NO.
X OF XX

c:\pwworking\ndi\portingtonsa\d0167585\FB-SEG2_M-CV-T2040_Manning.dgn 10/13/2014 8:31:16 PM portingtonsa



REDUCTION IN CONSTRUCTION LIMITS

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DESIGNED BY
B. Kidd
DRAWN BY
S. Portington
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

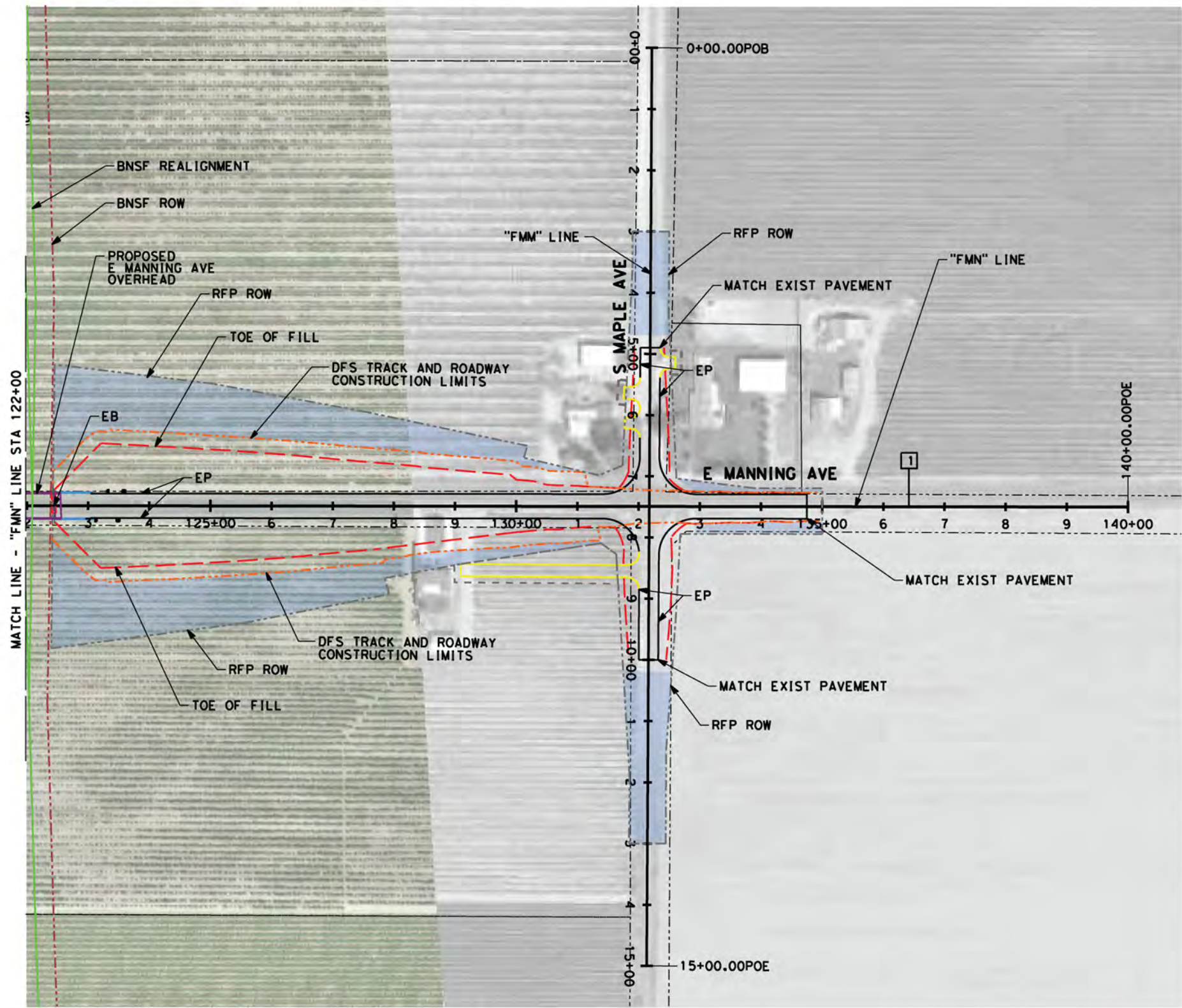


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

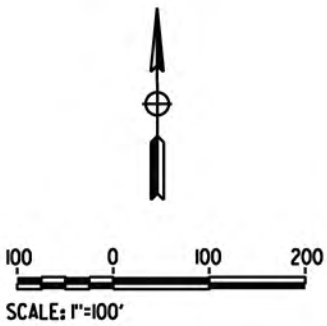
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
MONMOUTH SUBSECTION
ALIGNMENT M
GRADE SEPARATION LAYOUT
E MANNING AVENUE

CONTRACT NO.
HST 06-0003
DRAWING NO.
T2040
SCALE
AS SHOWN
SHEET NO.
X OF X

c:\pwworking\ndi\partingtonsa\d0167585\FB-SEG2_M-CV-T2041_Manning.dgn 10/13/2014 8:31:54 PM



LINE DATA		
NO.	BEARING	DISTANCE
1	S89°55'51"E	4000.00'



REDUCTION IN CONSTRUCTION LIMITS

DISCLAIMER:
THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.

DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE

RECORD SET 15%
DESIGN SUBMISSION

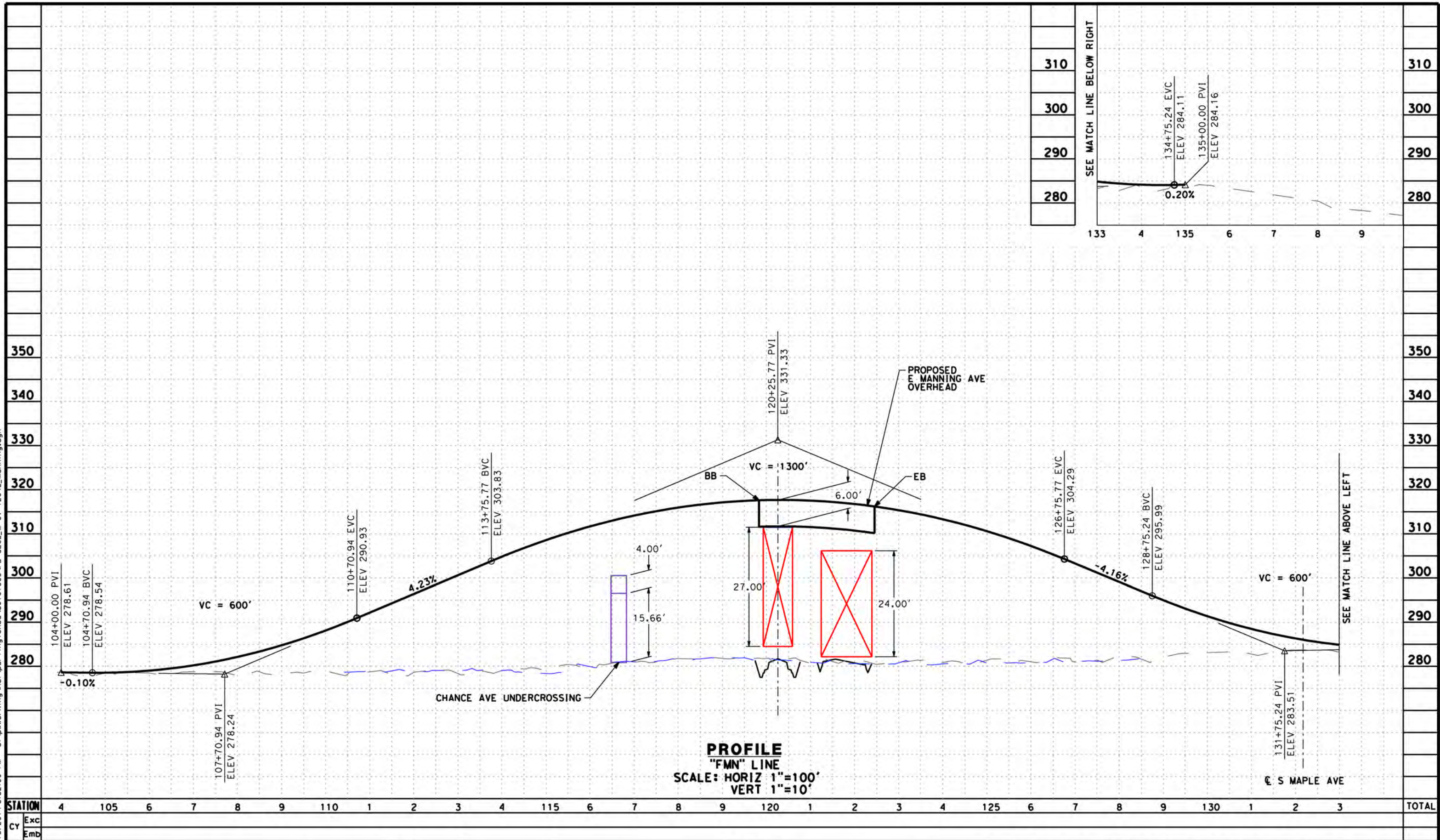
NOT FOR
CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
MONMOUTH SUBSECTION
ALIGNMENT M
GRADE SEPARATION LAYOUT
E MANNING AVENUE

CONTRACT NO.
HST 06-0003
DRAWING NO.
T2041
SCALE
AS SHOWN
SHEET NO.
X OF X

10/13/2014 8:32:09 PM c:\pwworking\ndi\portingtonsa\d0167585\FB-SEG2_M-CV-T2042_Manning.dgn



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DESIGNED BY
B. KIDD
DRAWN BY
Z. ROOKHUYZEN
CHECKED BY
E. KARAM
IN CHARGE
R. TREVETT
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

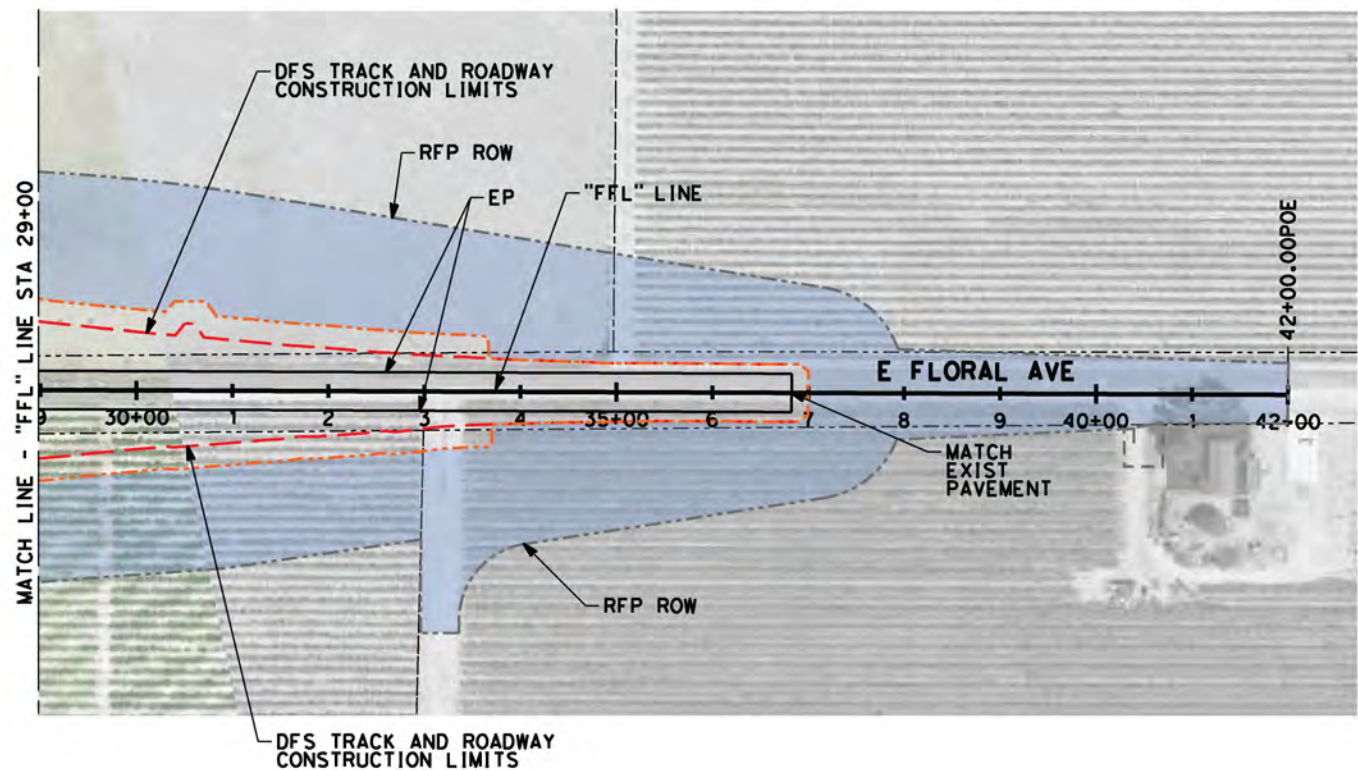
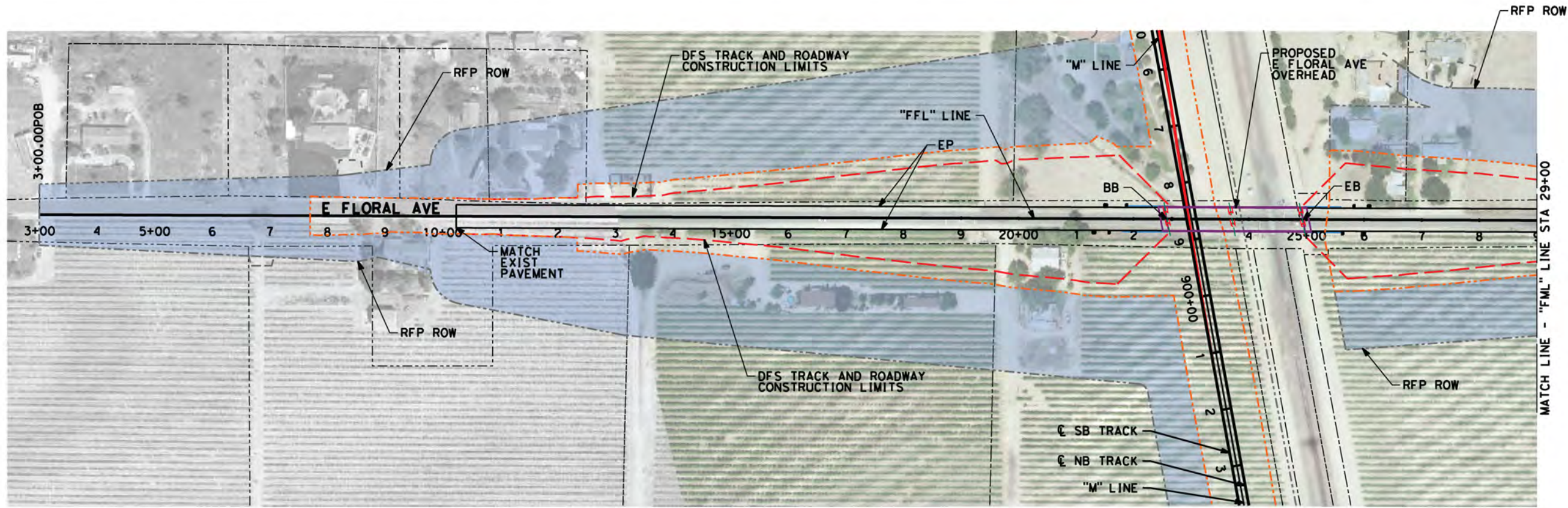
NOT FOR
CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
MONMOUTH SUBSECTION
ALIGNMENT M
GRADE SEPARATION PROFILE
E MANNING AVE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
T2042
SCALE
AS SHOWN
SHEET NO.
X OF XX

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LINE DATA

NO.	BEARING	DISTANCE
1	S89°55'51"E	4000.00'

REDUCTION IN CONSTRUCTION LIMITS

DISCLAIMER:
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DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

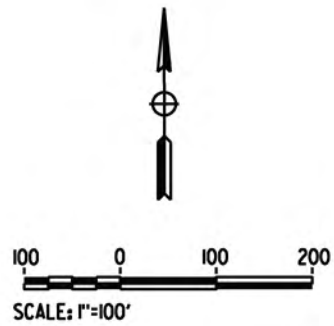
RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

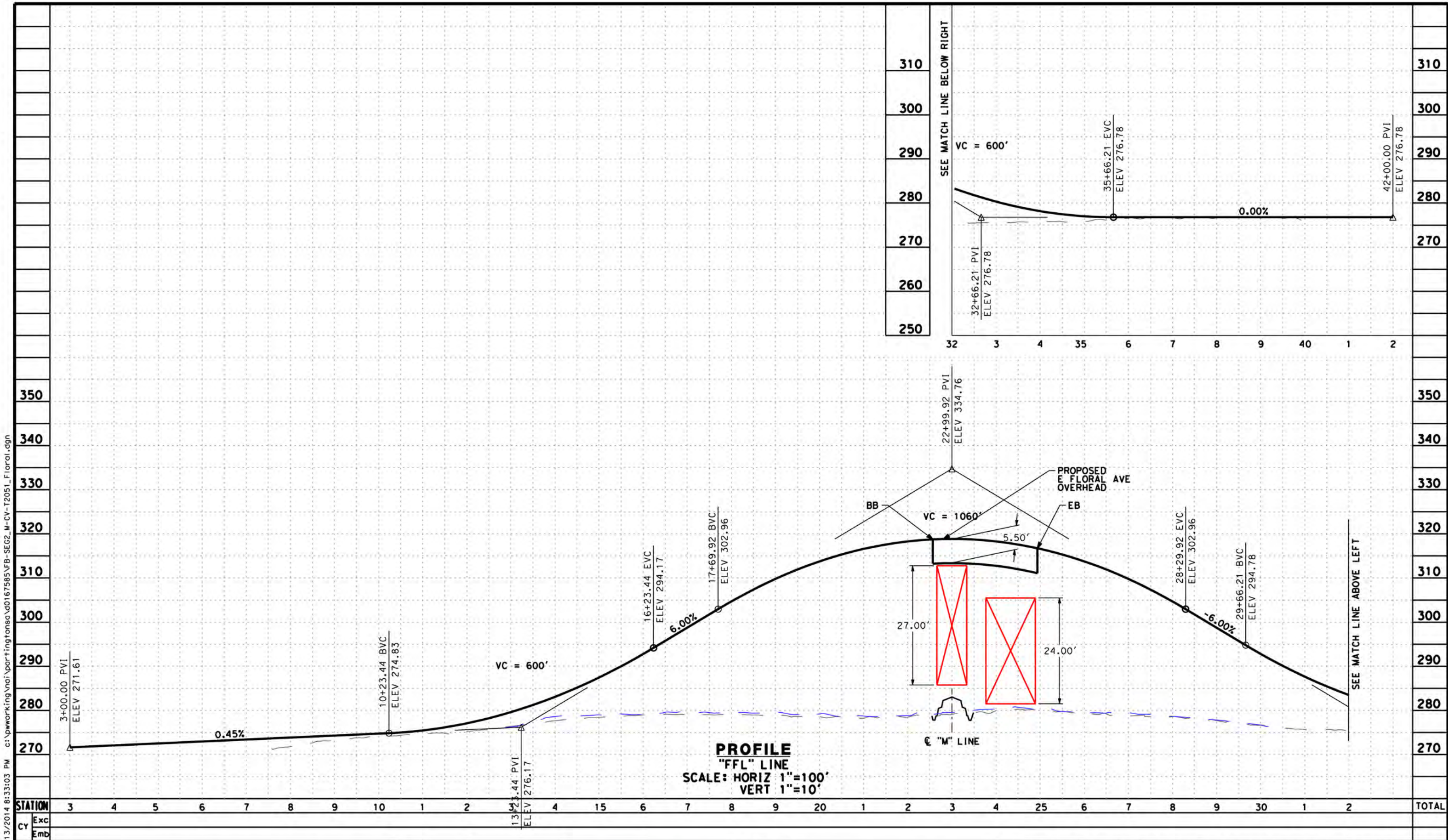


CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
MONMOUTH SUBSECTION
ALIGNMENT M
GRADE SEPARATION LAYOUT
E FLORAL AVENUE

CONTRACT NO.
HST 06-0003
DRAWING NO.
T2050
SCALE
AS SHOWN
SHEET NO.
- OF -



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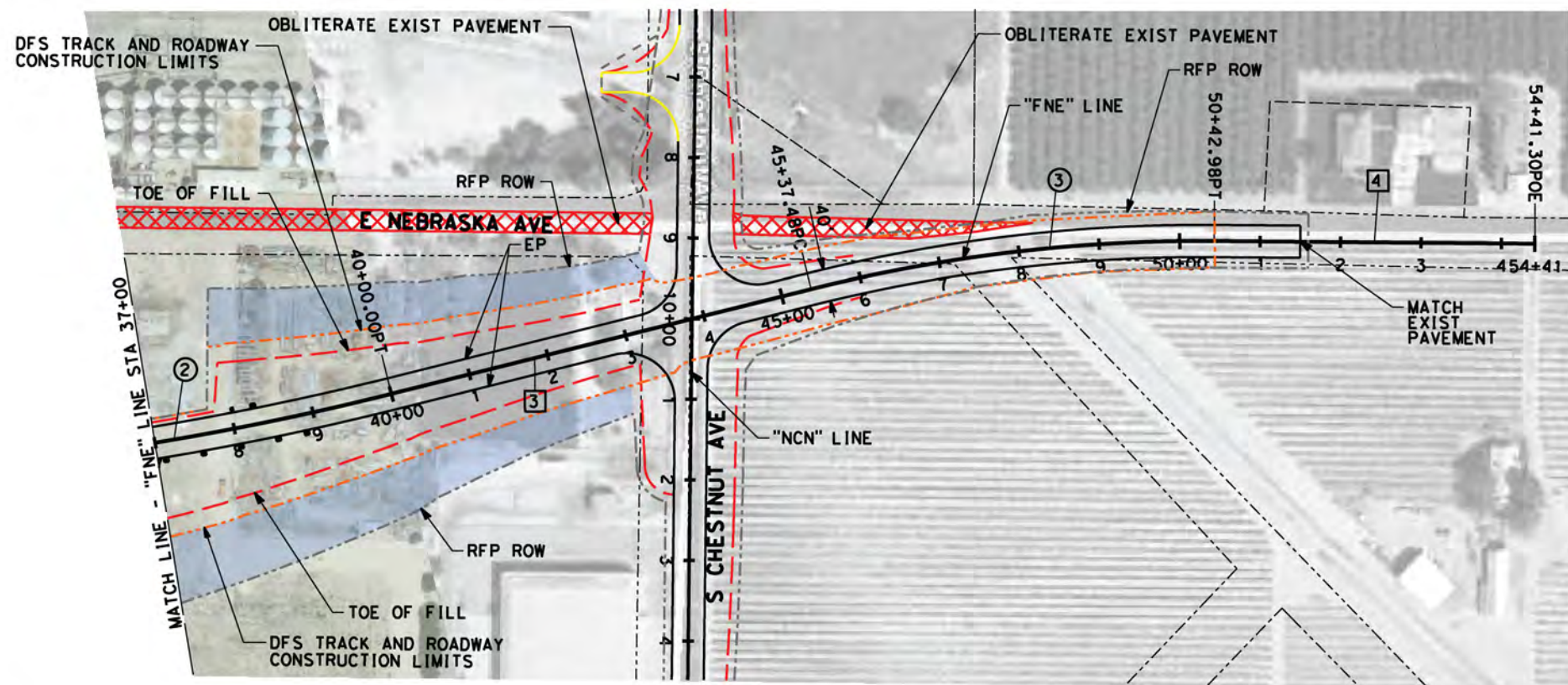
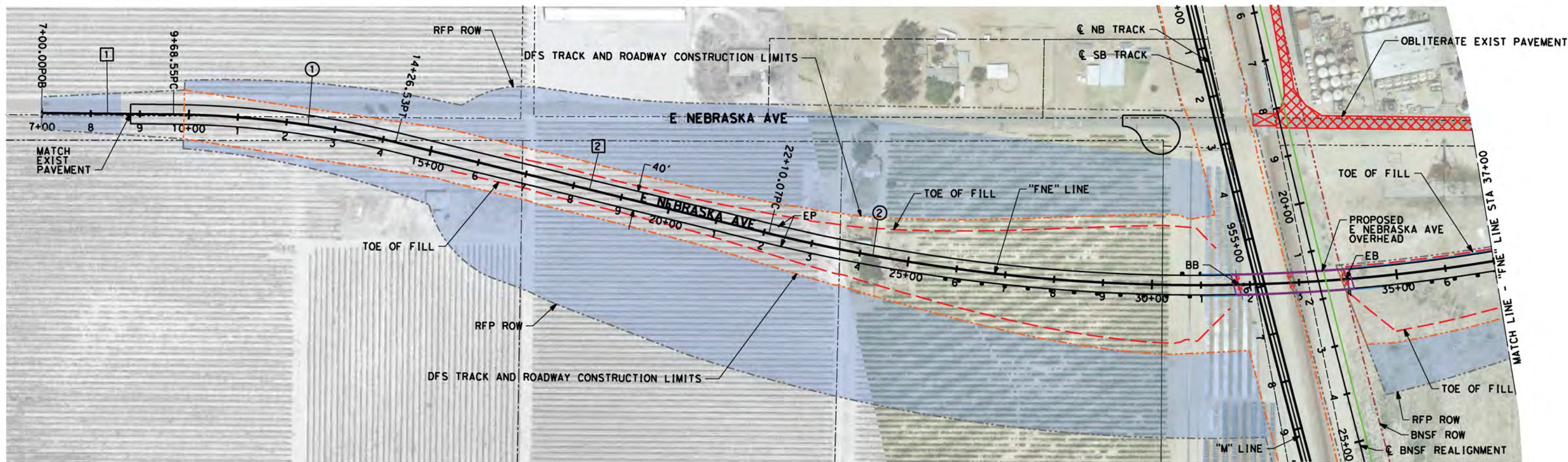


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DESIGNED BY B. KIDD	RECORD SET 15% DESIGN SUBMISSION
DRAWN BY Z. ROOKHUYZEN	
CHECKED BY E. KARAM	
IN CHARGE R. TREVETT	
DATE 08/28/14	NOT FOR CONSTRUCTION

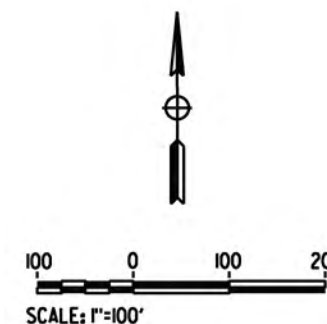
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
MONMOUTH SUBSECTION
ALIGNMENT M
GRADE SEPARATION PROFILE
E FLORAL AVE

CONTRACT NO. HSR 06-0003
DRAWING NO. T2051
SCALE AS SHOWN
SHEET NO. X OF XX



LINE DATA		
NO.	BEARING	DISTANCE
1	S89°24'09"E	268.55'
2	S76°16'57"E	783.55'
3	N76°00'00"E	537.48'
4	S89°31'07"E	398.32'

CURVE DATA				
NO.	R	Δ	T	L
①	2000.00'	13°07'12"	229.99'	457.98'
②	3700.00'	27°43'03"	912.84'	1789.93'
③	2000.00'	14°28'53"	254.10'	505.50'



REDUCTION IN CONSTRUCTION LIMITS

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DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION



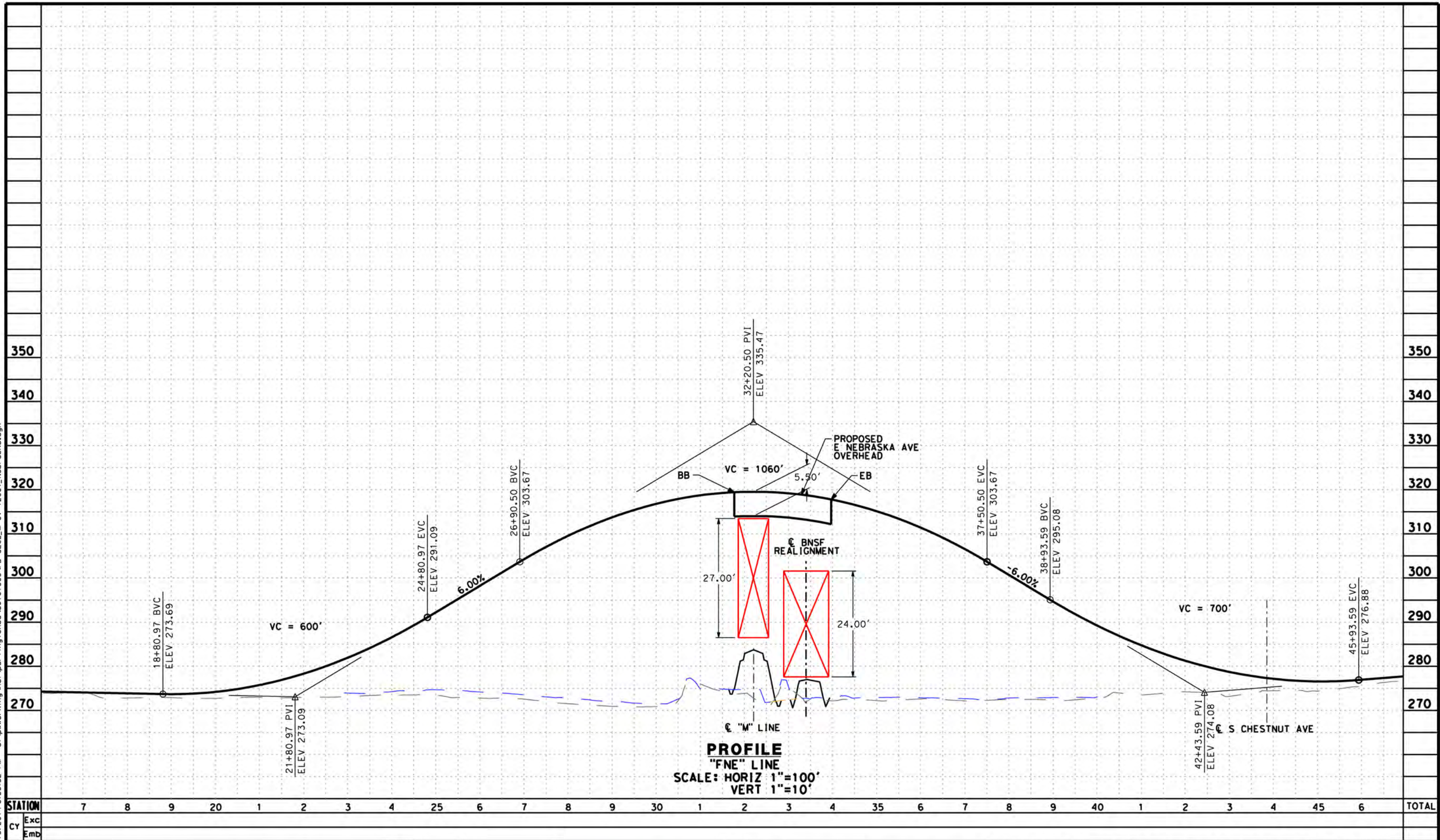
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
MONMOUTH SUBSECTION
ALIGNMENT M
GRADE SEPARATION LAYOUT
E NEBRASKA AVENUE

CONTRACT NO.
HST 06-0003
DRAWING NO.

SCALE
AS SHOWN
SHEET NO.

10/13/2014 8:33:52 PM c:\pwworking\ndi\portingtonsa\0167585\FB-SEG2_M-CV-T2061_Nebraska.dgn



DISCLAIMER:
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DESIGNED BY
B. KIDD
DRAWN BY
Z. ROOKHUYZEN
CHECKED BY
E. KARAM
IN CHARGE
R. TREVETT
DATE
08/28/14

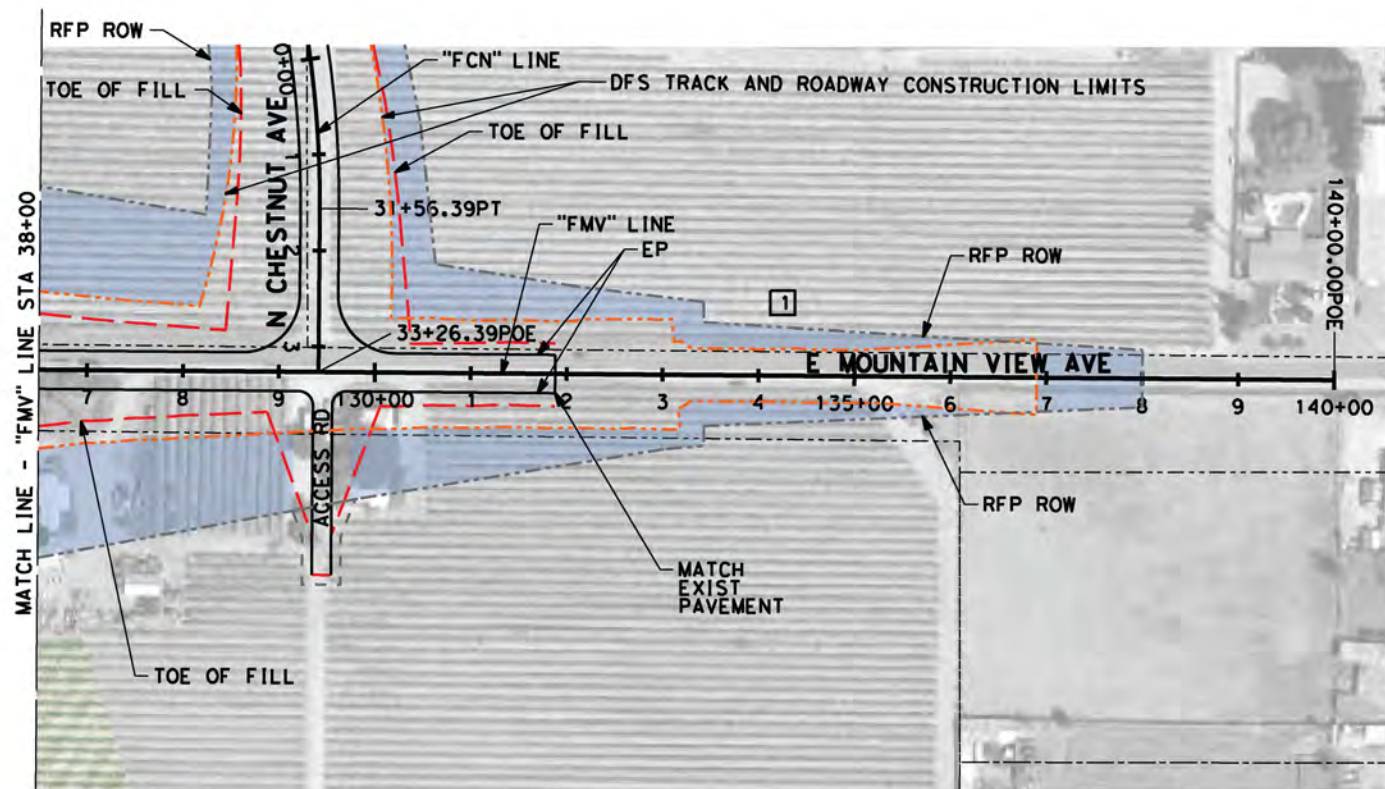
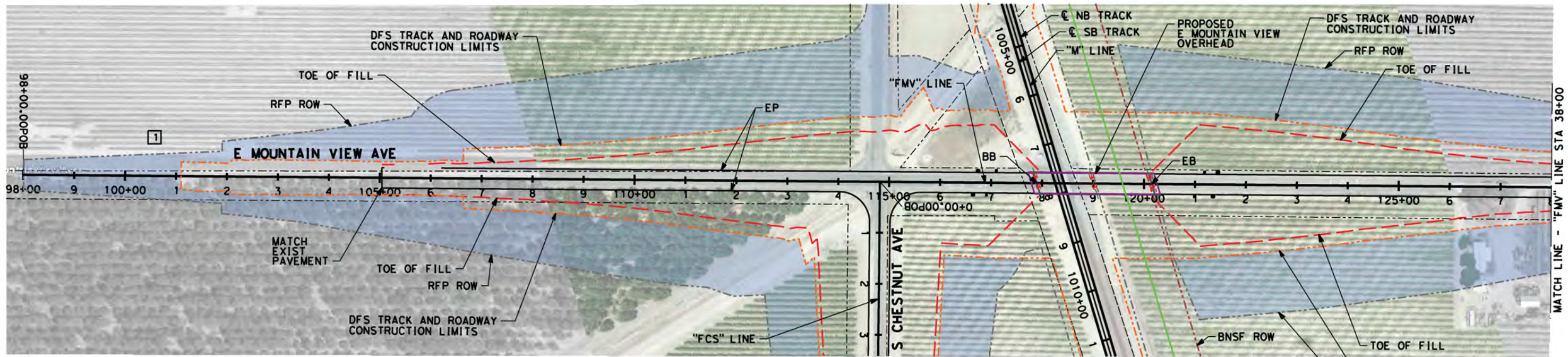
RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

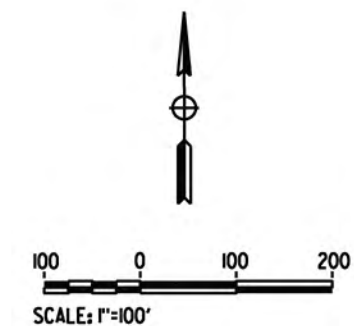


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
MONMOUTH SUBSECTION
ALIGNMENT M
GRADE SEPARATION PROFILE
E NEBRASKA AVE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
T2061
SCALE
AS SHOWN
SHEET NO.
X OF XX



LINE DATA		
NO.	BEARING	DISTANCE
1	S89°32'05"E	4200.00'



REDUCTION IN CONSTRUCTION LIMITS

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DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

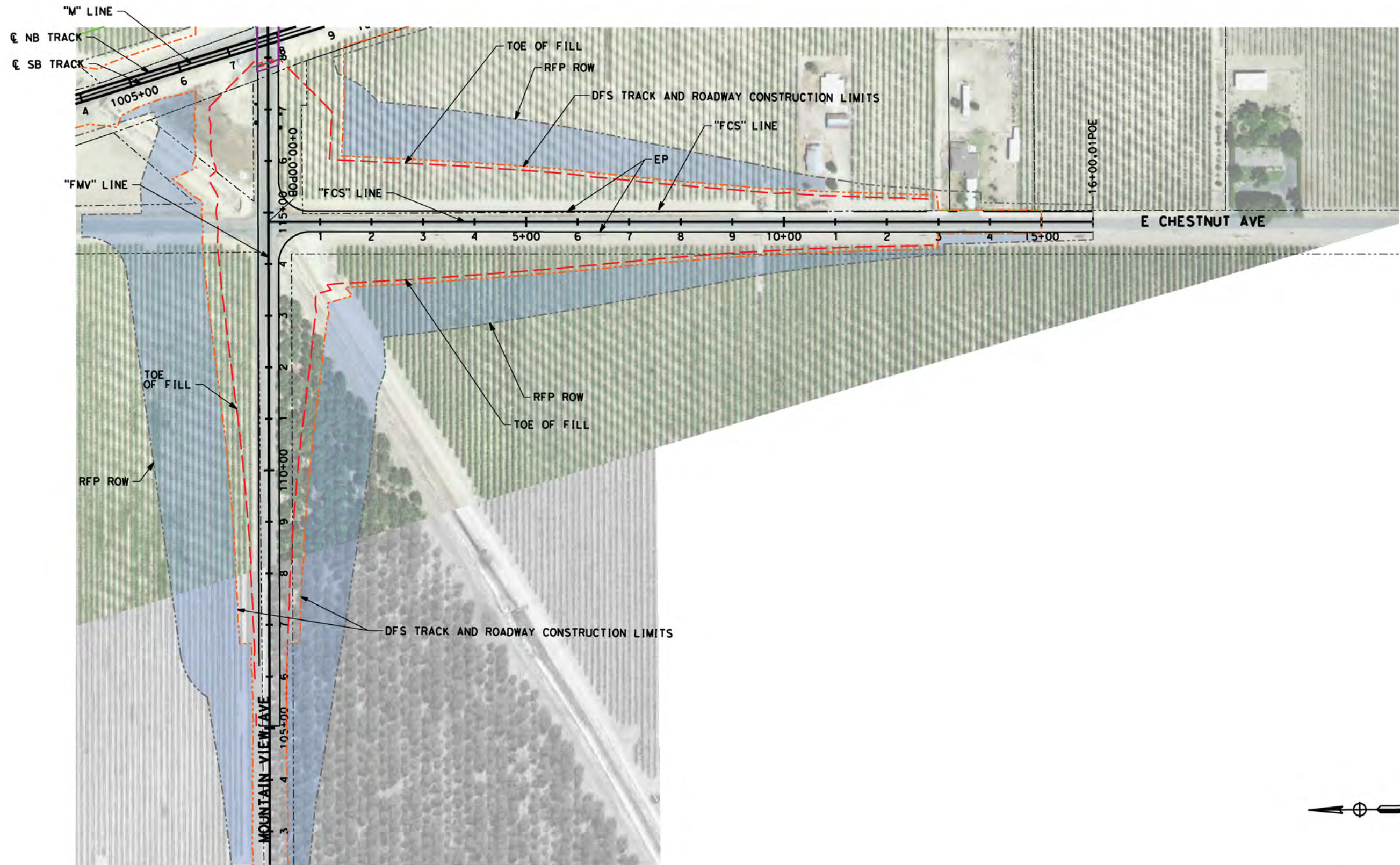


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
MONMOUTH SUBSECTION
ALIGNMENT M
GRADE SEPARATION LAYOUT
E MOUNTAIN VIEW AVENUE

CONTRACT NO.
HST 06-0003
DRAWING NO.
T2070
SCALE
AS SHOWN
SHEET NO.
- OF -

c:\pwworking\ndi\partingtonsa\d0167585\FB-SEG2_M-CV-T2071_Chestnut.dgn 10/13/2014 8:35:03 PM



REDUCTION IN CONSTRUCTION LIMITS

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DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

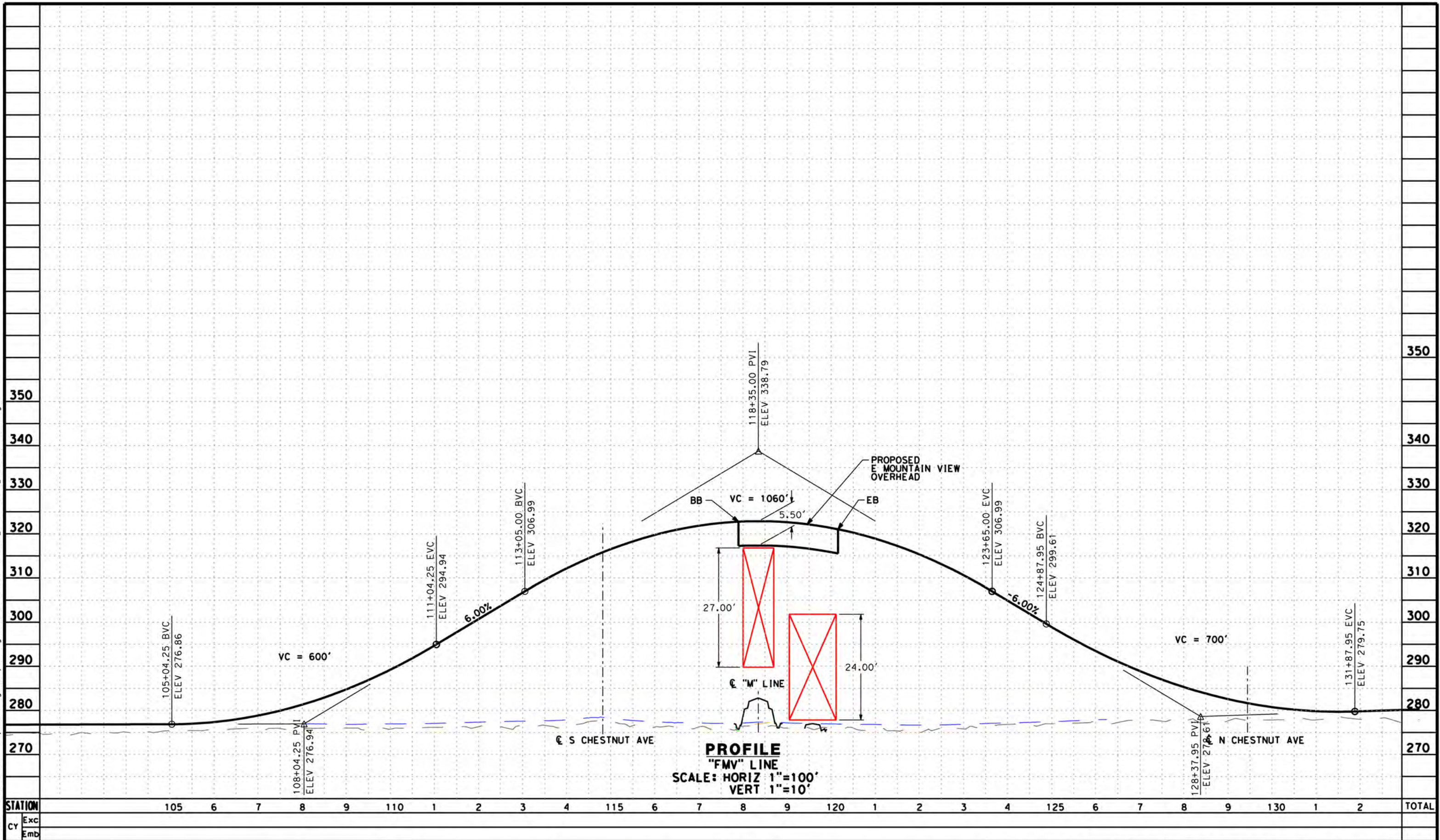


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
MONMOUTH SUBSECTION
ALIGNMENT M
GRADE SEPARATION LAYOUT
E CHESTNUT AVENUE (SOUTH)

CONTRACT NO.
HST 06-0003
DRAWING NO.
T2071
SCALE
AS SHOWN
SHEET NO.
- OF -

10/13/2014 8:36:10 PM c:\pwworking\ndi\portingtonsa\d0167585\FB-SEG2_M-CV-T2073_Mountain-View.dgn



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DESIGNED BY
B. KIDD
DRAWN BY
Z. ROOKHUYZEN
CHECKED BY
E. KARAM
IN CHARGE
R. TREVETT
DATE
7/2/14

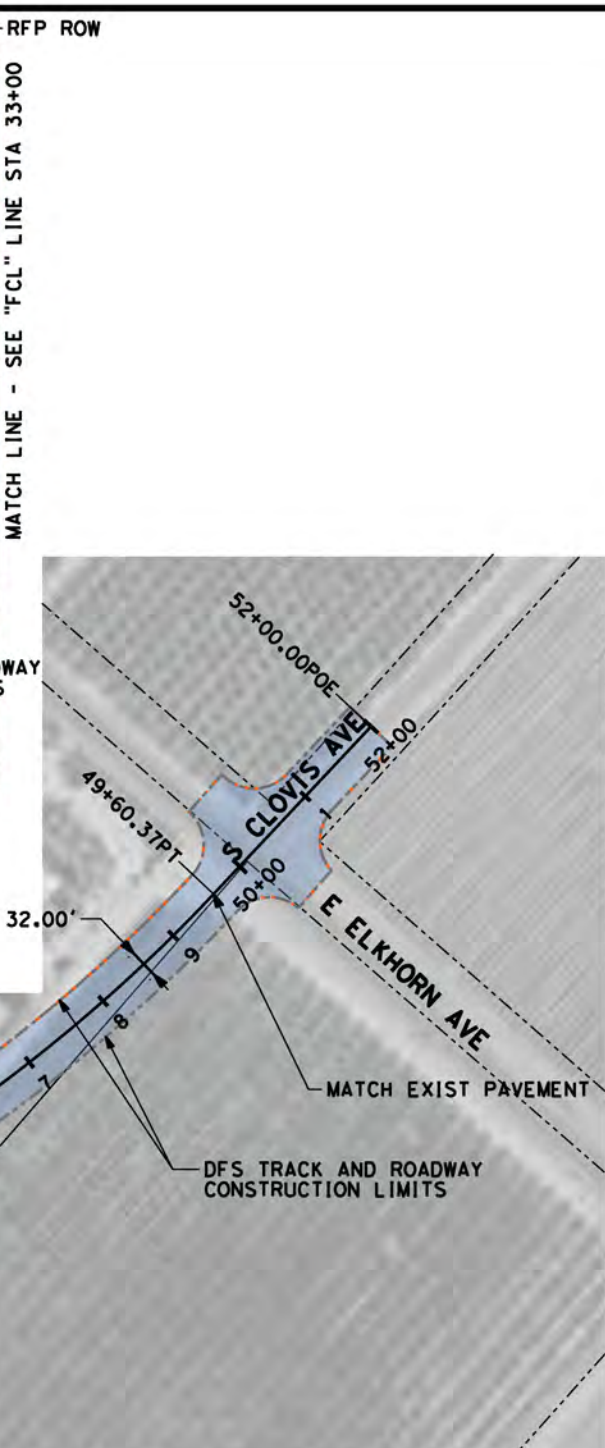
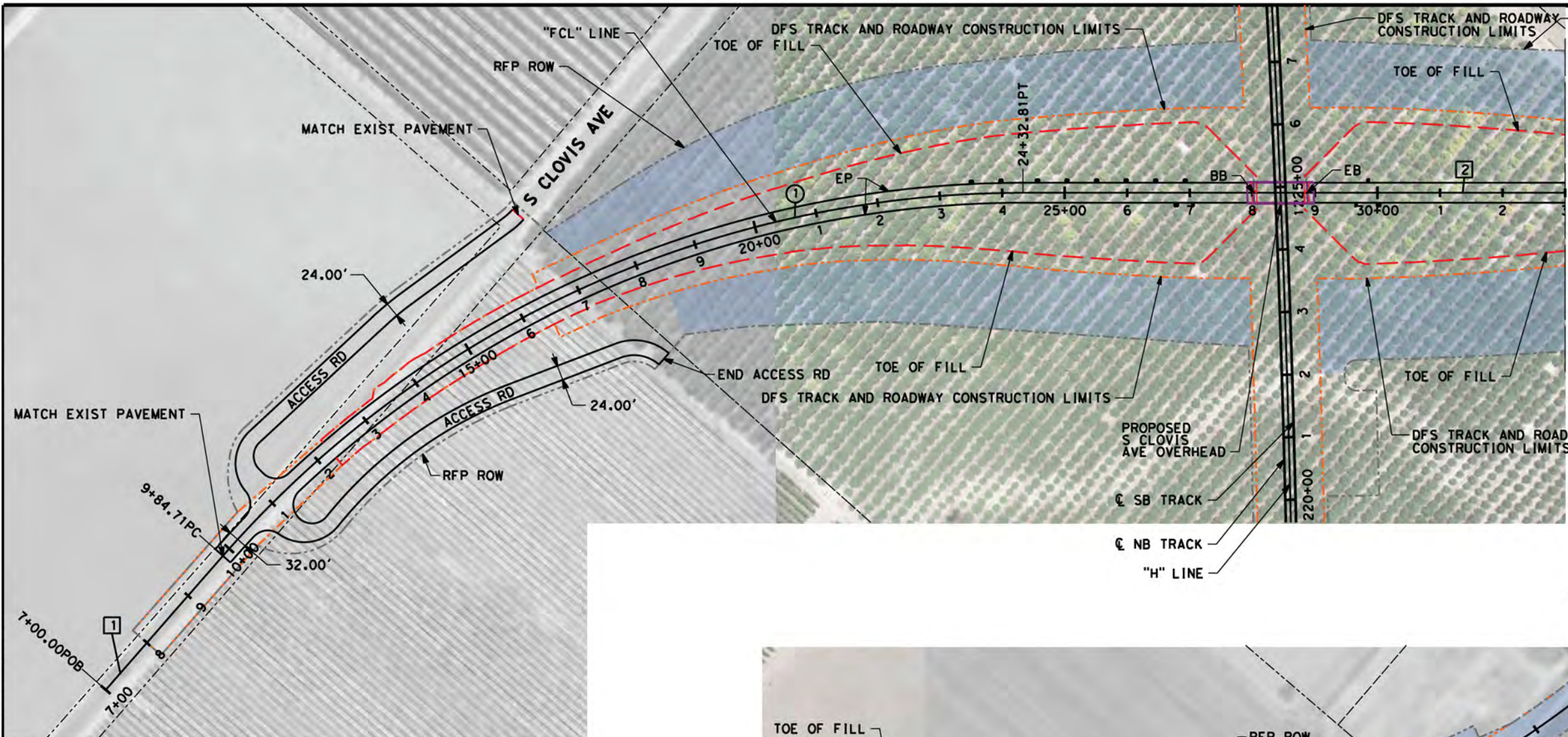
RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
MONMOUTH SUBSECTION
ALIGNMENT M
GRADE SEPARATION PROFILE
E MOUNTAIN VIEW AVE

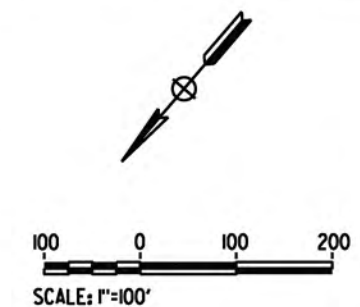
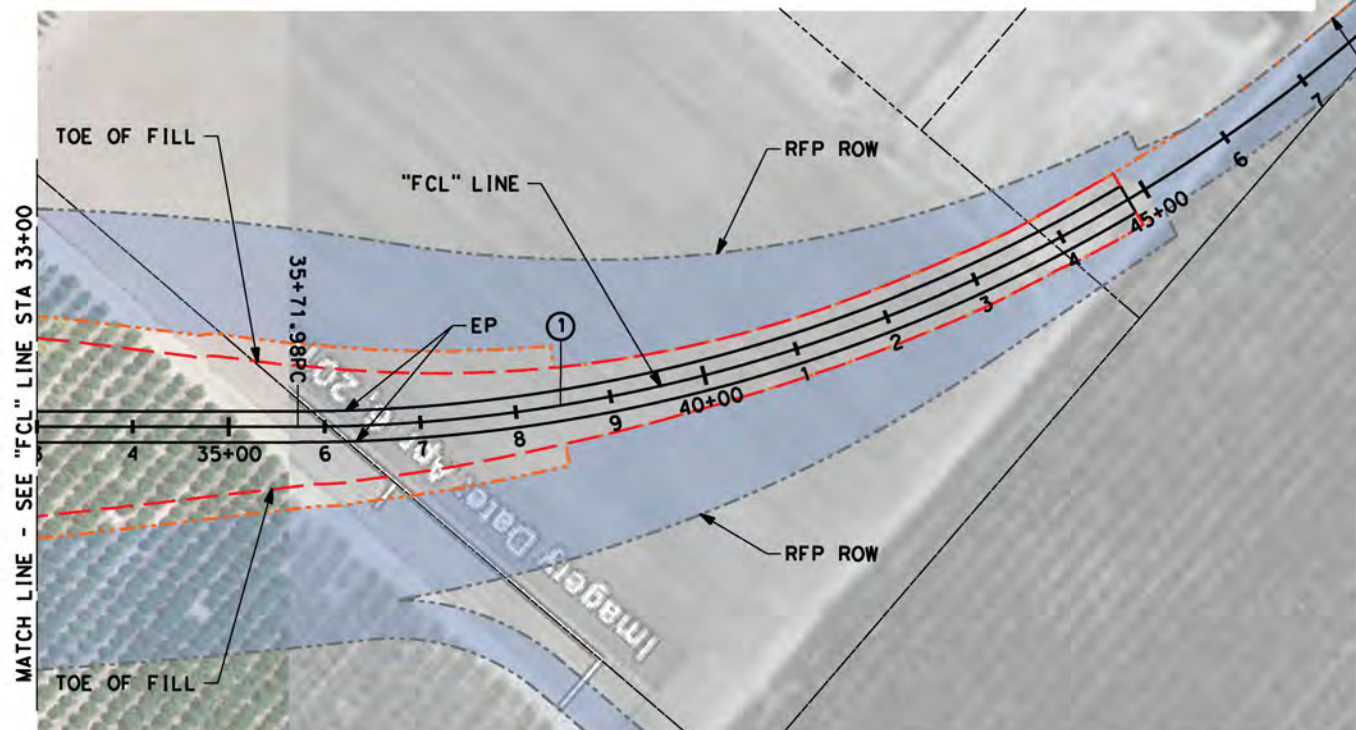
CONTRACT NO.
HSR 06-0003
DRAWING NO.
T2073
SCALE
AS SHOWN
SHEET NO.
X OF XX

10/13/2014 8:07:51 PM c:\pwworking\ndi\partingtonsa\d0167585\FB-SEG3_H-CV-T3010_Clovis.dgn



LINE DATA		
NO.	BEARING	DISTANCE
1	S00°31'37"W	284.71'
2	S49°19'59"W	1139.17'
3	S02°32'24"W	239.63'

CURVE DATA				
NO.	R	Δ	T	L
(1)	1700.00'	48°48'22"	771.26'	1448.11'
(2)	1700.00'	46°47'36"	735.54'	1388.38'



REDUCTION IN CONSTRUCTION LIMITS

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DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

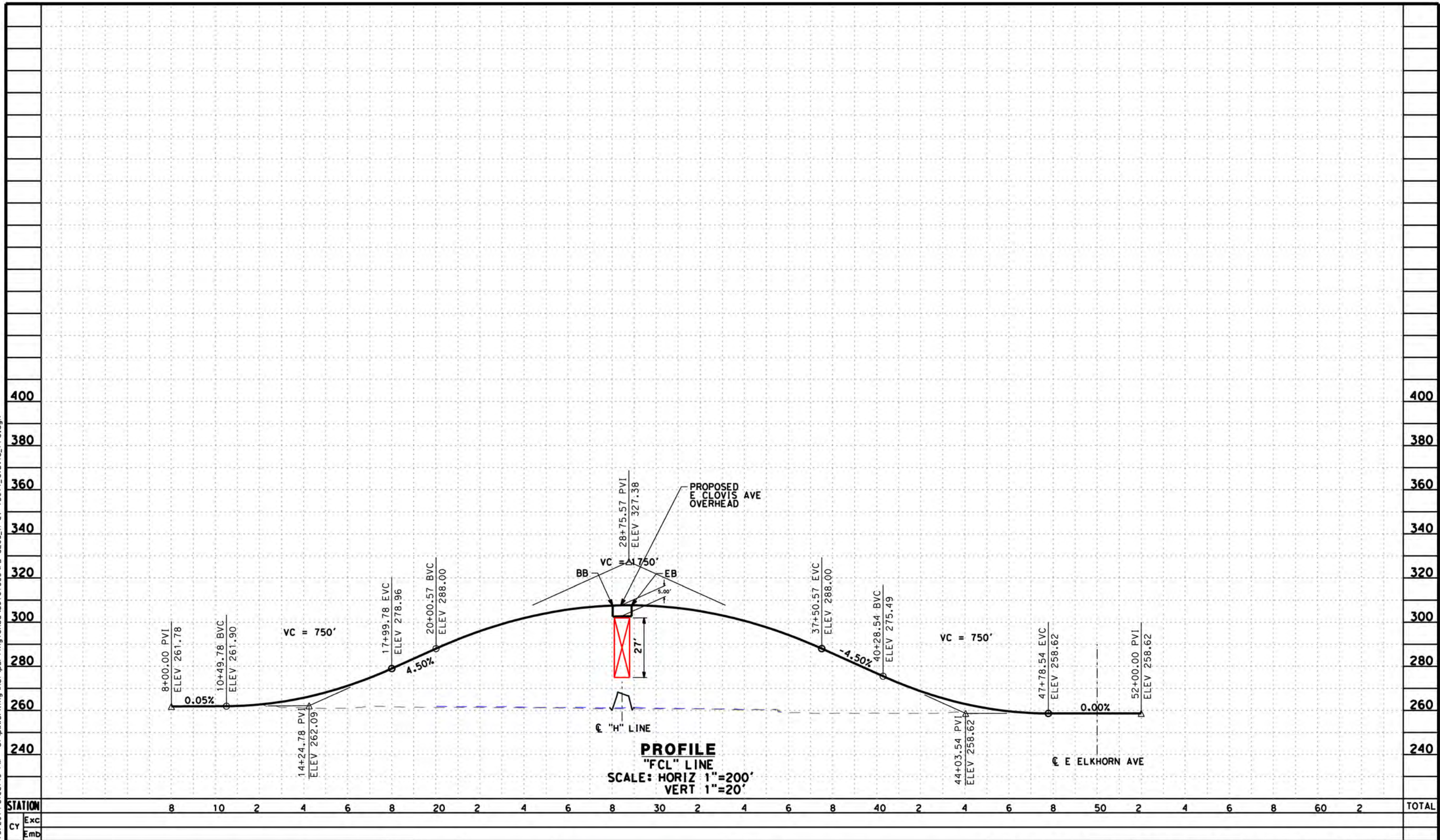
RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HANFORD SUBSECTION
ALIGNMENT H
GRADE SEPARATION LAYOUT
S CLOVIS AVE

CONTRACT NO.
HST 06-0003
DRAWING NO.
T3010
SCALE
AS SHOWN
SHEET NO.
- OF -

10/13/2014 8:08:49 PM c:\pwworking\ndi\portingtonsa\0167585\FB-SEG3_H-CV-T3011_Clovis_Pro.dgn



DISCLAIMER:
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DESIGNED BY
B. KIDD
DRAWN BY
Z. ROOKHUYZEN
CHECKED BY
E. KARAM
IN CHARGE
R. TREVETT
DATE
08/28/14

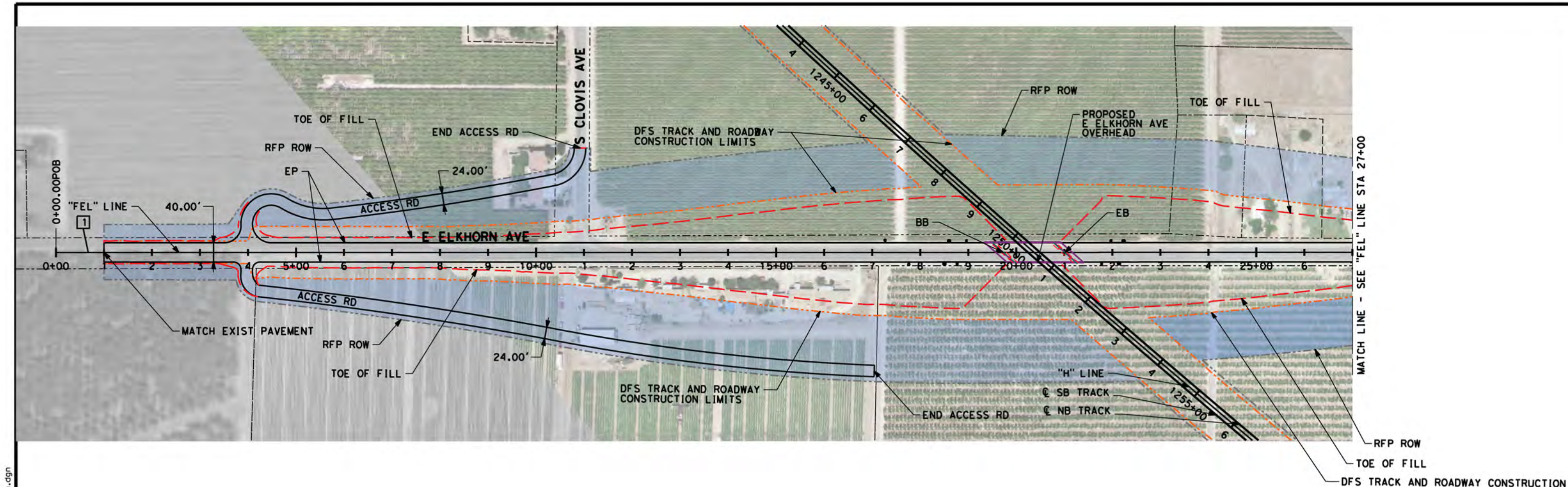
RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION



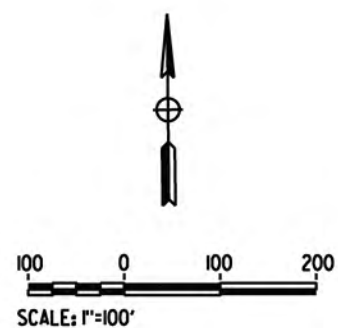
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HANFORD SUBSECTION
ALIGNMENT H
GRADE SEPARATION PROFILE
E CLOVIS AVE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
T3011
SCALE
AS SHOWN
SHEET NO.
- OF -

c:\pwworking\ndi\partingtonsa\d0167585\FB-SEG3_H-CV-T3020_Elkhorn.dgn 10/13/2014 8:09:16 PM



LINE DATA		
NO.	BEARING	DISTANCE
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REDUCTION IN CONSTRUCTION LIMITS

DISCLAIMER:
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DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

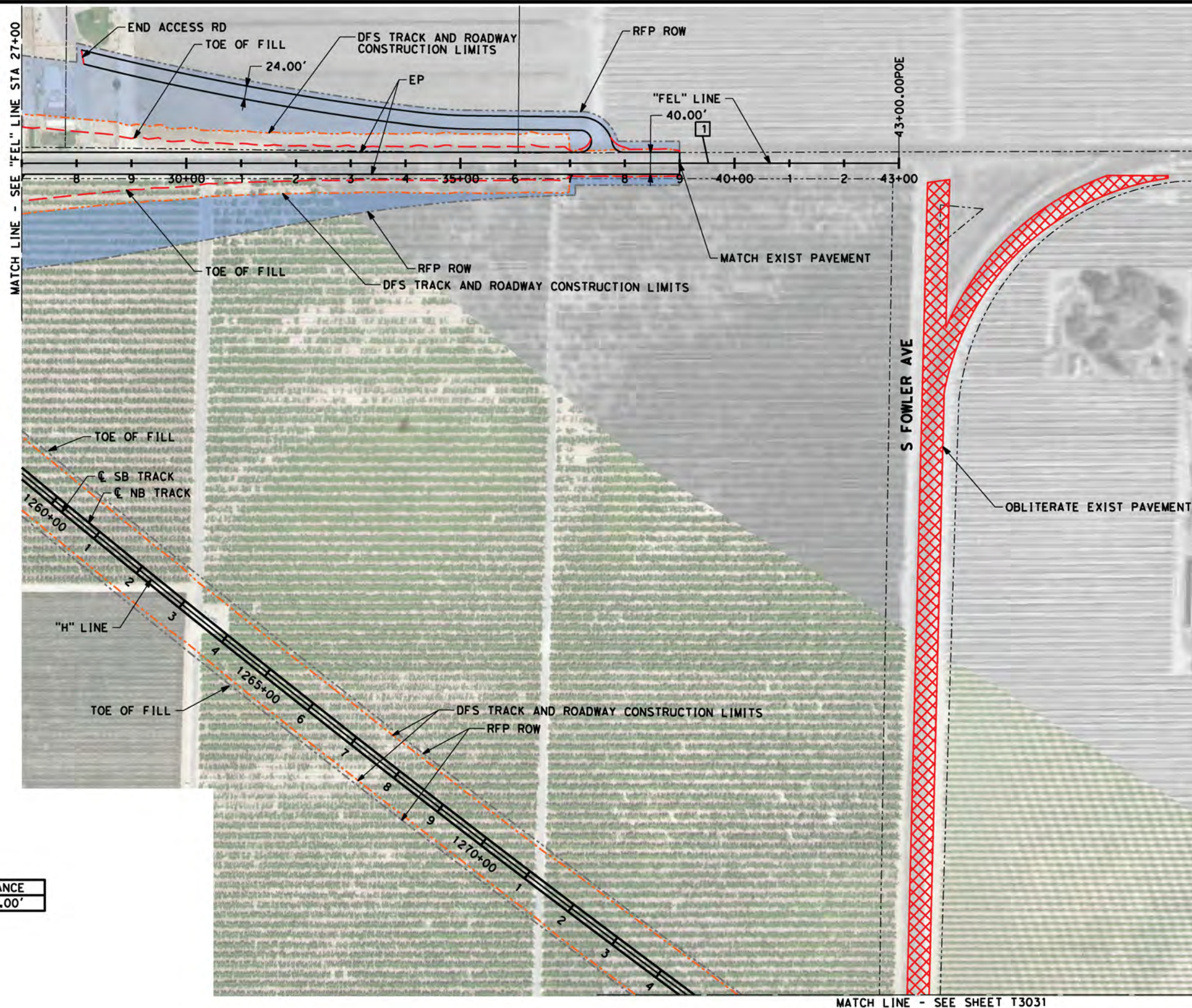
NOT FOR
CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
GRADE SEPARATION LAYOUT
E ELKHORN AVE

CONTRACT NO.
HST 06-0003
DRAWING NO.
T3020
SCALE
AS SHOWN
SHEET NO.
- OF -

10/13/2014 8:10:31 PM c:\pwworking\ndi\portingtonsona\d0167585\FB-SEG3_H-CV-T3021_Elkhorn.dgn



LINE DATA

NO.	BEARING	DISTANCE
1	S89°22'57"E	4300.00'

REDUCTION IN CONSTRUCTION LIMITS

DISCLAIMER:
THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS, DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.

DESIGNED BY
B. Kidd
DRAWN BY
S. Portington
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
06/30/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

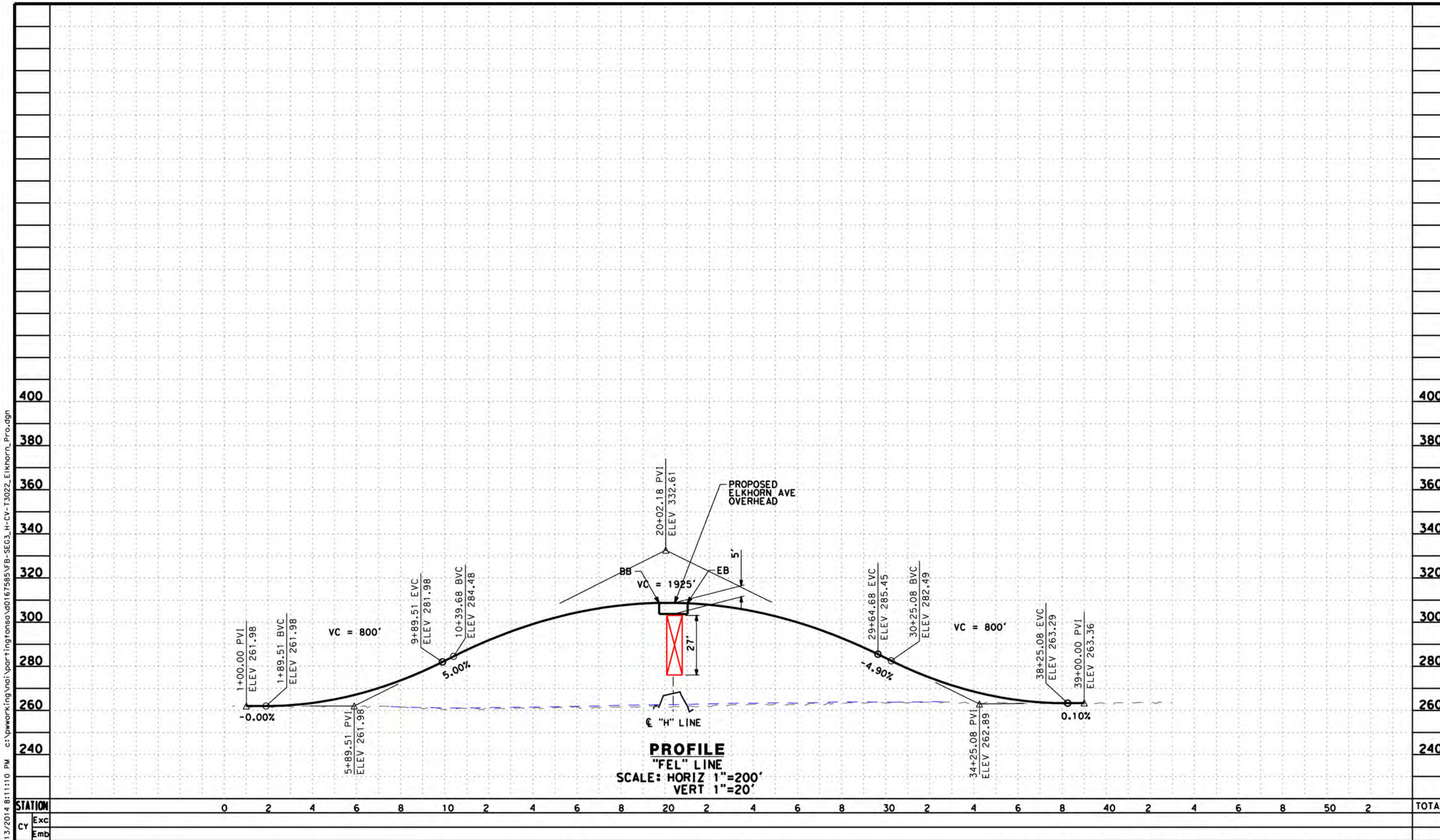


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

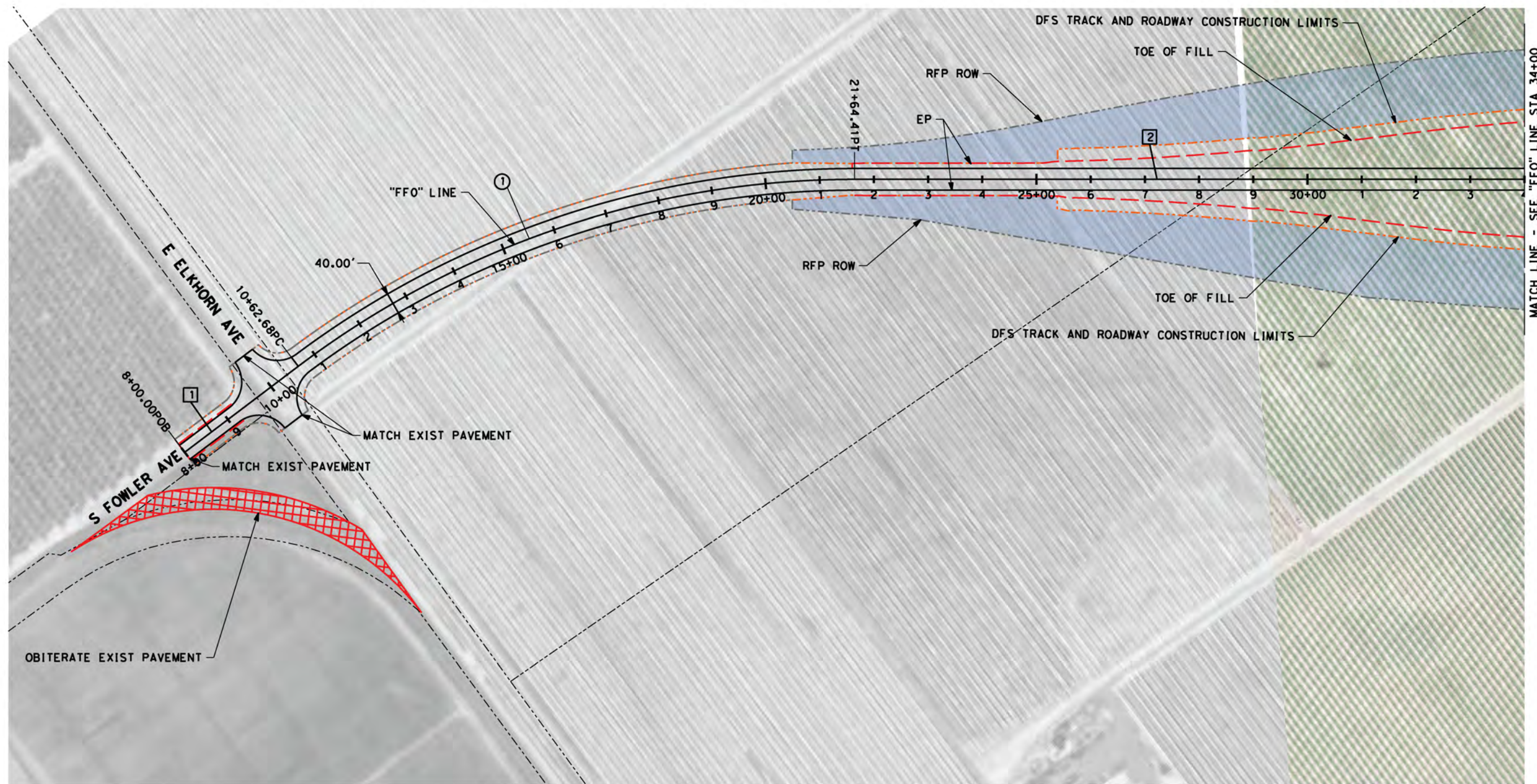
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HANFORD SUBSECTION
ALIGNMENT H
GRADE SEPARATION LAYOUT
E ELKHORN AVE**

CONTRACT NO.
HST 06-0003
DRAWING NO.
T3021
SCALE
AS SHOWN
SHEET NO.
- OF -

10/13/2014 8:11:10 PM c:\pwworking\ndi\portingtonsa\0167585\FB-SEG3_H-CV-T3022_Elkhorn_Pro.dgn



DISCLAIMER: THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.	DESIGNED BY B. KIDD	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD HANFORD SUBSECTION ALIGNMENT H GRADE SEPARATION PROFILE ELKHORN AVE	CONTRACT NO. HSR 06-0003
	DRAWN BY Z. ROOKHUYZEN					DRAWING NO. T3022
	CHECKED BY E. KARAM					SCALE AS SHOWN
	IN CHARGE R. TREVETT					SHEET NO. - OF -
	DATE 08/28/14					



LINE DATA

NO.	BEARING	DISTANCE
1	S00°00'00"E	262.68'
2	S37°07'55"W	2434.51'

CURVE DATA

NO.	R	Δ	T	L
(1)	1700.00'	37°07'55"	570.99'	1101.73'

REDUCTION IN CONSTRUCTION LIMITS

DISCLAIMER:
THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.

DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

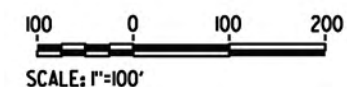
NOT FOR
CONSTRUCTION



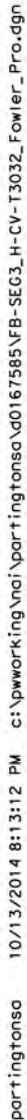
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
GRADE SEPARATION LAYOUT
S FOWLER AVE

CONTRACT NO.
HST 06-0003
DRAWING NO.
T3030
SCALE
AS SHOWN
SHEET NO.
- OF -



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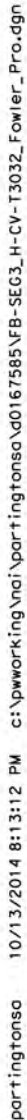
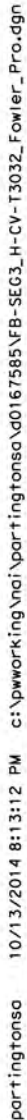


partingtonso 10/13/2014 8:13:12 PM c:\pwworking\nai\partingtonsa\d0167585\FB-SEC3_H-CV-T3032_Fowler_Pro.dgn

partingtonso 10/13/2014 8:13:12 PM c:\pwworking\nai\partingtonsa\d0167585\FB-SEC3_H-CV-T3032_Fowler_Pro.dgn

partingtonso 10/13/2014 8:13:12 PM c:\pwworking\nai\partingtonsa\d0167585\FB-SEC3_H-CV-T3032_Fowler_Pro.dgn

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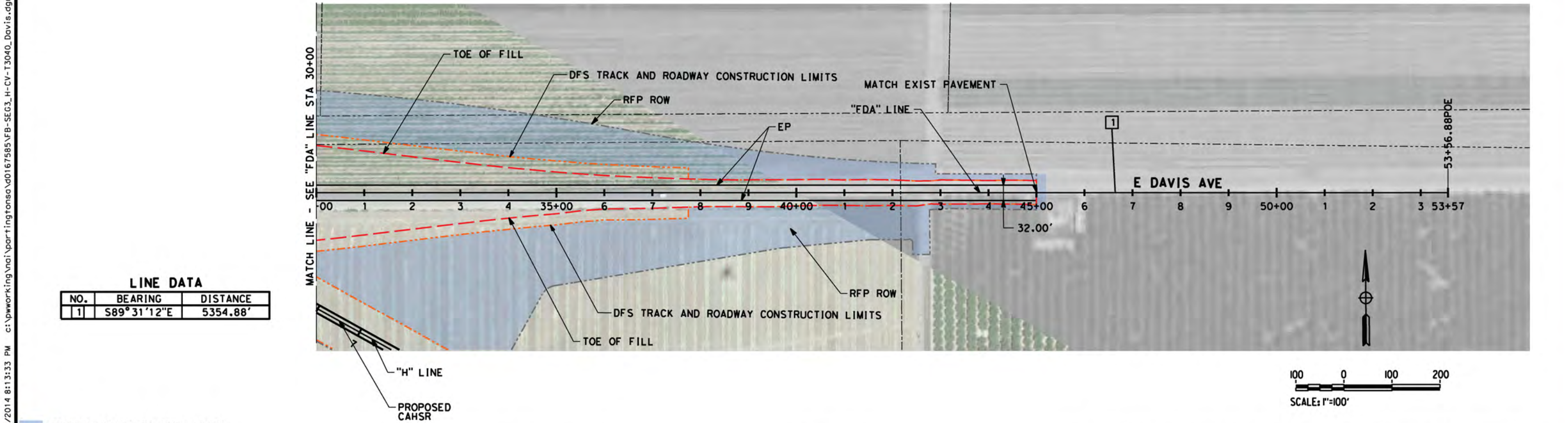
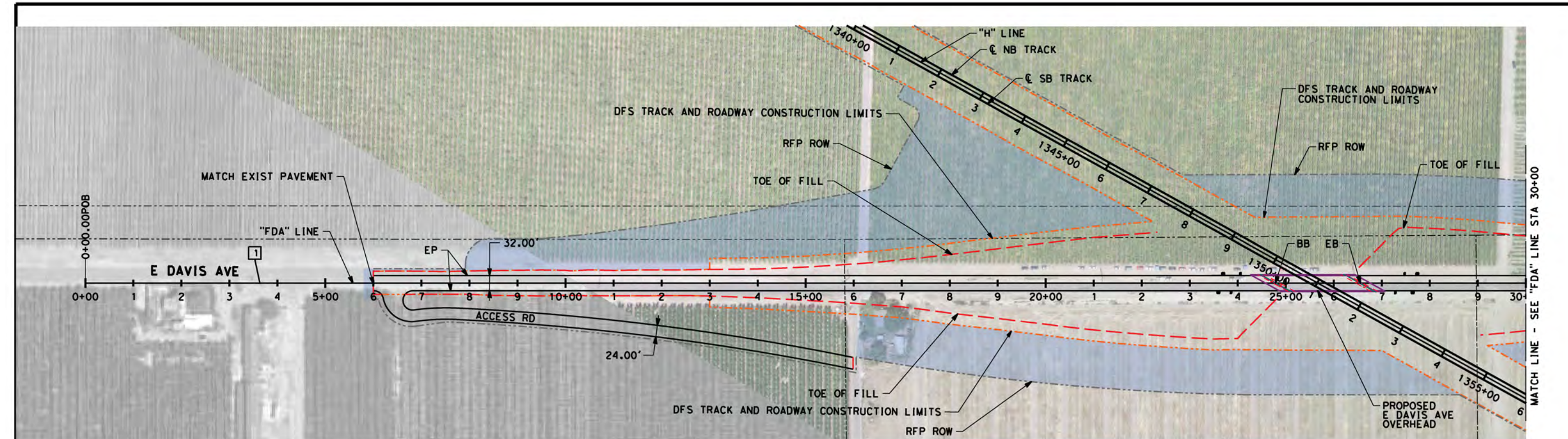


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10/13/2014 8:13:33 PM c:\pwworking\ndi\partingtonsa\d0167585\FB-SEG3_H-CV-T3040_Davis.dgn



LINE DATA		
NO.	BEARING	DISTANCE
1	S89°31'12"E	5354.88'

REDUCTION IN CONSTRUCTION LIMITS

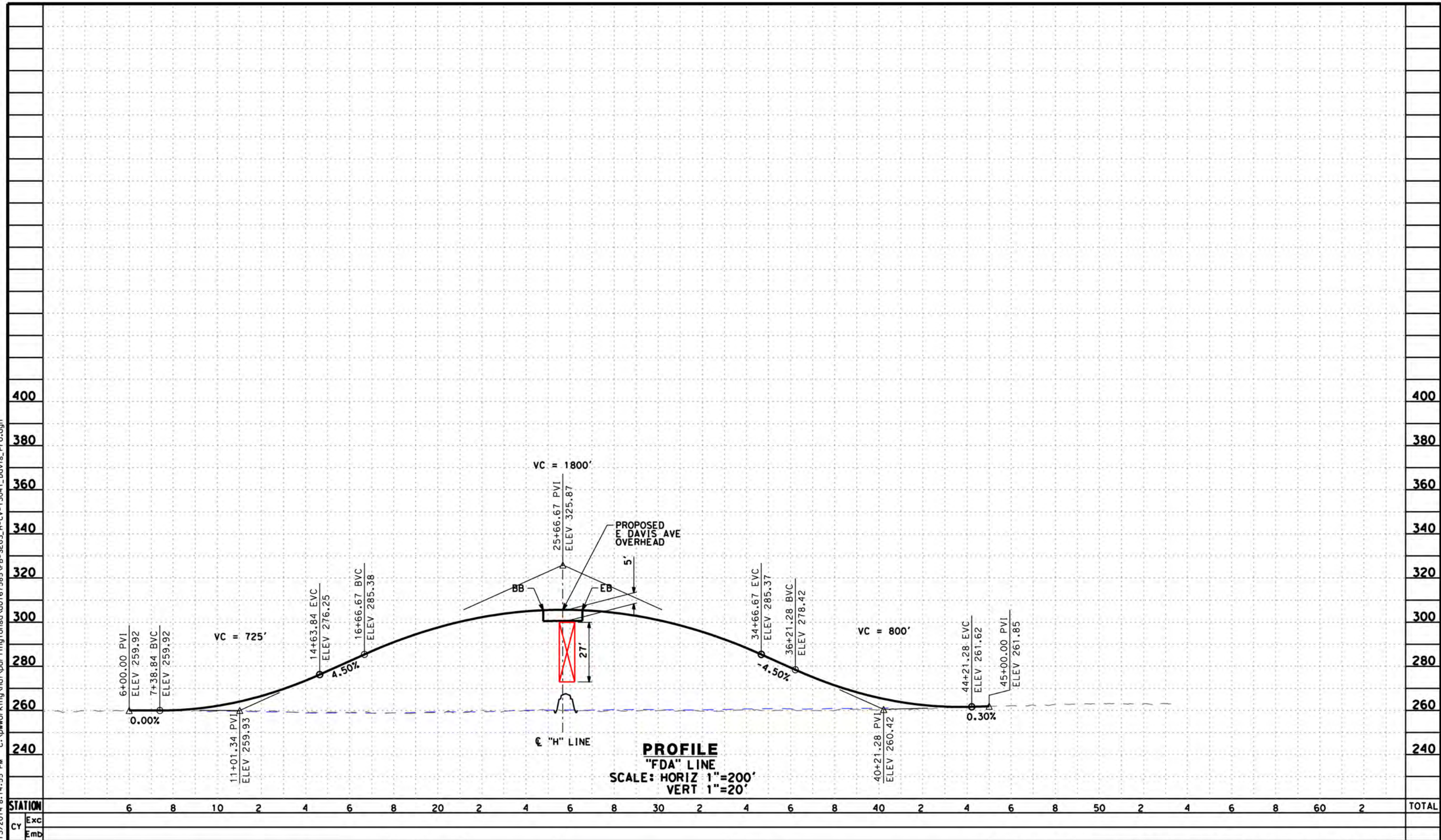
DISCLAIMER:
THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.

DESIGNED BY B. Kidd	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION
DRAWN BY Z. Rookhuyzen	
CHECKED BY E. Karam	
IN CHARGE R. Trevett	
DATE 08/28/14	

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
GRADE SEPARATION LAYOUT
E DAVIS AVE

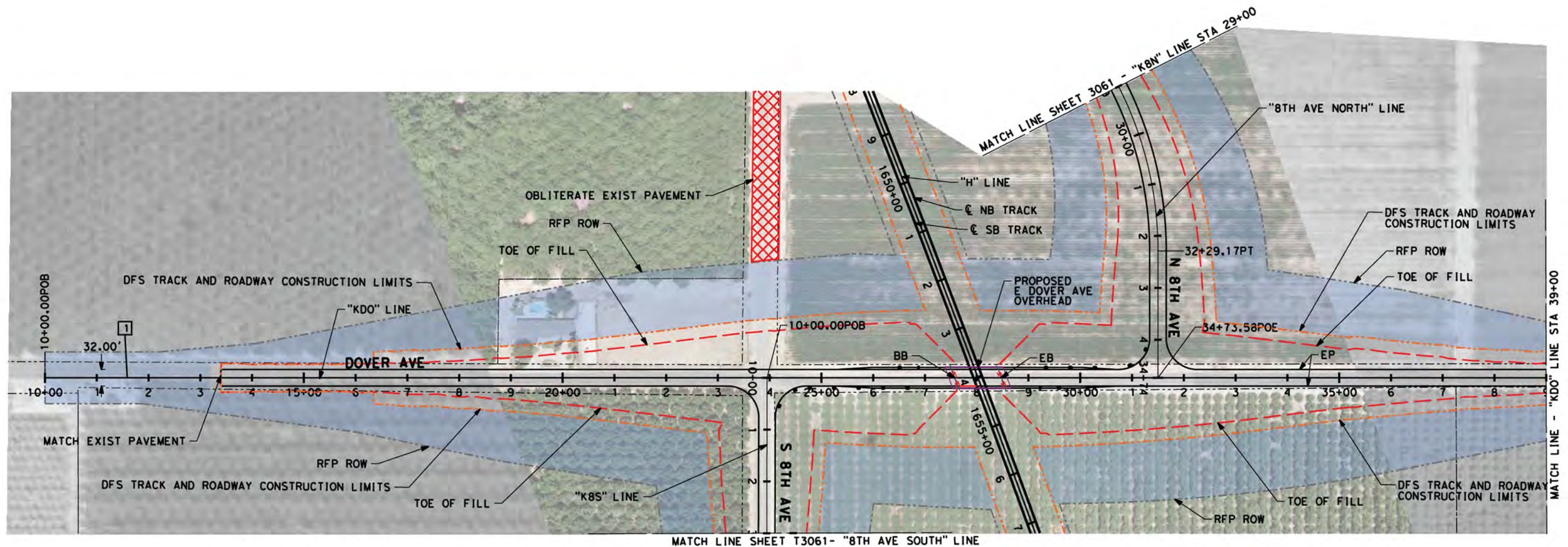
CONTRACT NO. HST 06-0003
DRAWING NO. T3040
SCALE AS SHOWN
SHEET NO. - OF -

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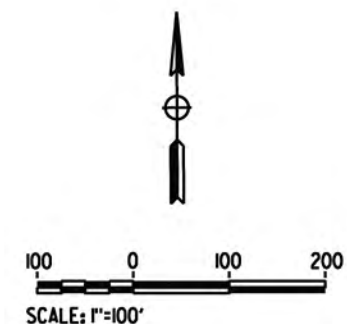
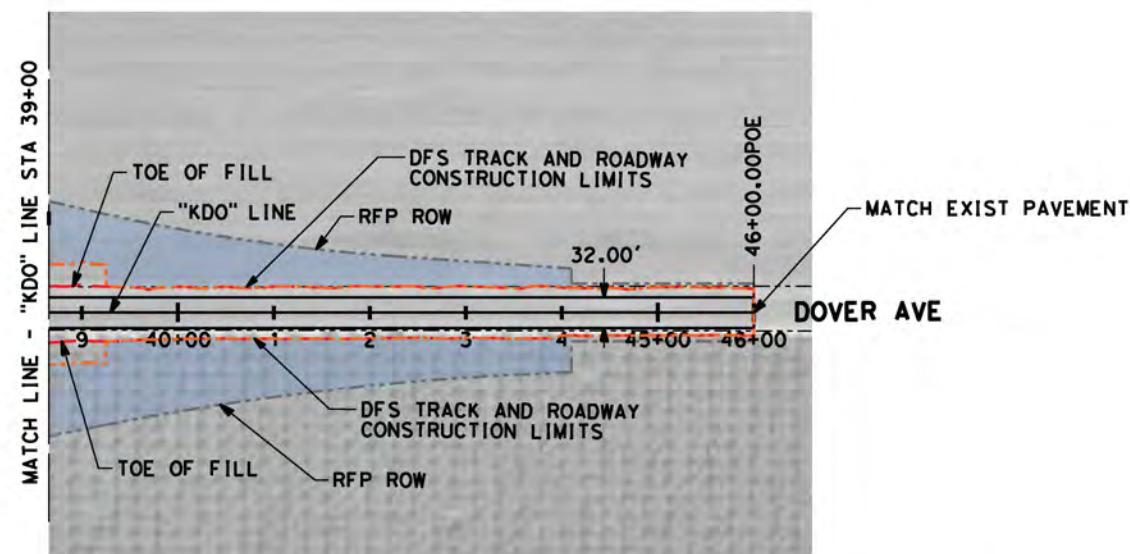


DISCLAIMER: THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.	DESIGNED BY B. KIDD	RECORD SET 15% DESIGN SUBMISSION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD HANFORD SUBSECTION ALIGNMENT H GRADE SEPARATION PROFILE E DAVIS AVE	CONTRACT NO. HSR 06-0003
	DRAWN BY Z. ROOKHUYZEN					CHECKED BY E. KARAM
	IN CHARGE R. TREVETT	NOT FOR CONSTRUCTION				SCALE AS SHOWN
	DATE 08/28/14					SHEET NO. - OF -

10/13/2014 8:15:19 PM c:\pwworking\ndi\partingtonsa\d0167585\FB-SEG3_H-CV-T3050_Dover01.dgn



LINE DATA		
NO.	BEARING	DISTANCE
1	S89°47'26"E	3600.00'



REDUCTION IN CONSTRUCTION LIMITS

DISCLAIMER:
THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.

DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

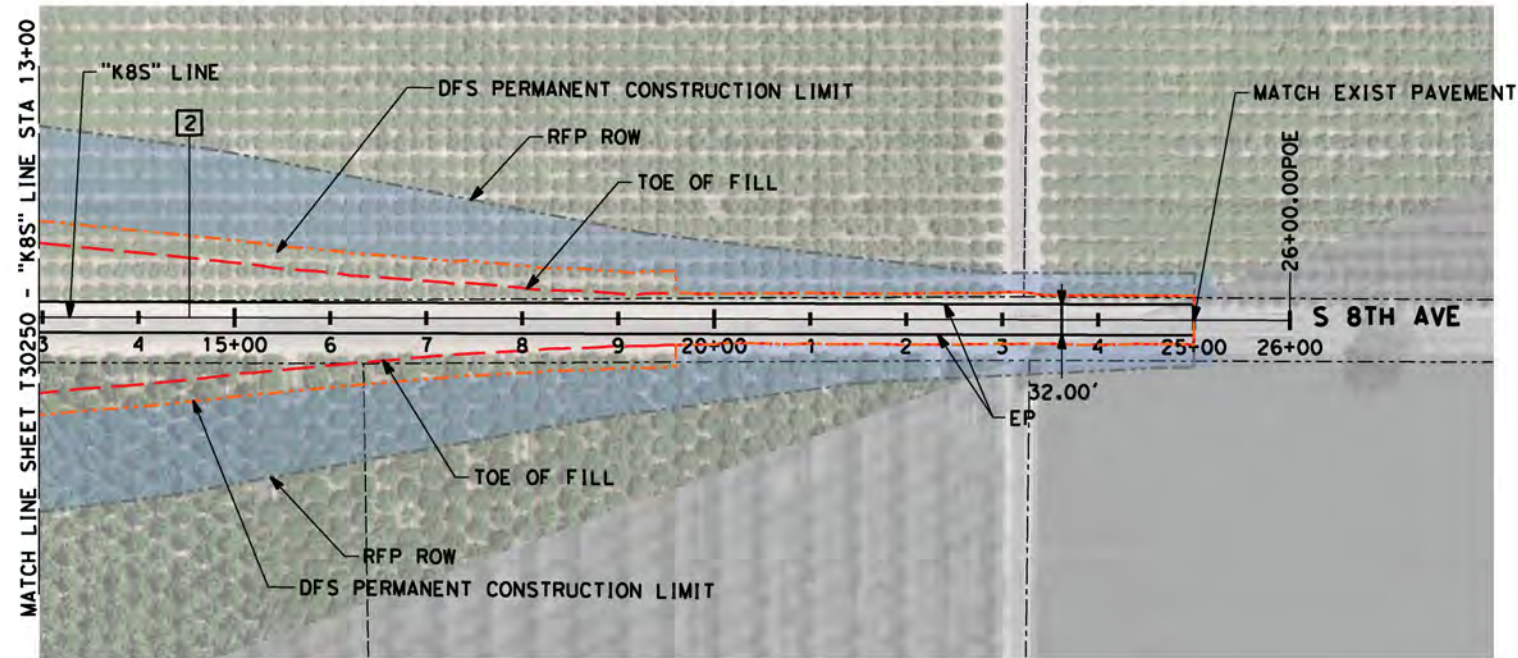


CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HANFORD SUBSECTION
ALIGNMENT H
GRADE SEPARATION LAYOUT
DOVER AVE

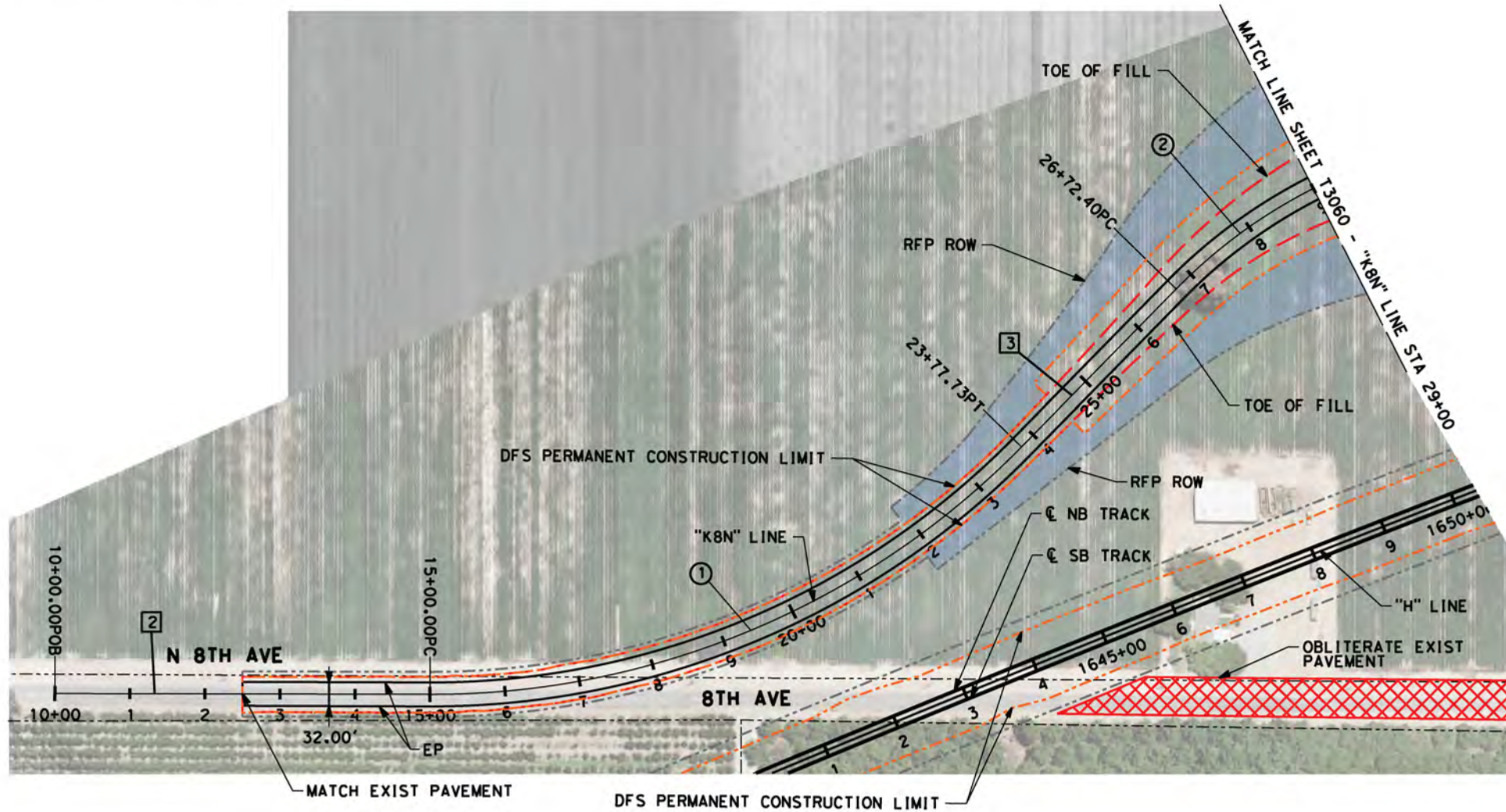
CONTRACT NO.
HST 06-0003
DRAWING NO.
T3050
SCALE
AS SHOWN
SHEET NO.
- OF -

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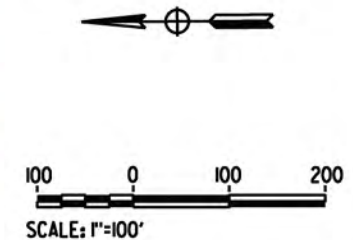
partingtonsa



CURVE DATA				
NO.	R	Δ	T	L
①	1100.00'	45°43'06"	463.74'	877.73'
②	700.00'	8°11'06"	294.06'	556.77'



LINE DATA		
NO.	BEARING	DISTANCE
1	S00°21'19"W	1600.00'
2	S00°21'19"W	500.00'
3	S45°21'47"W	294.67'



REDUCTION IN CONSTRUCTION LIMITS

DISCLAIMER:
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DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

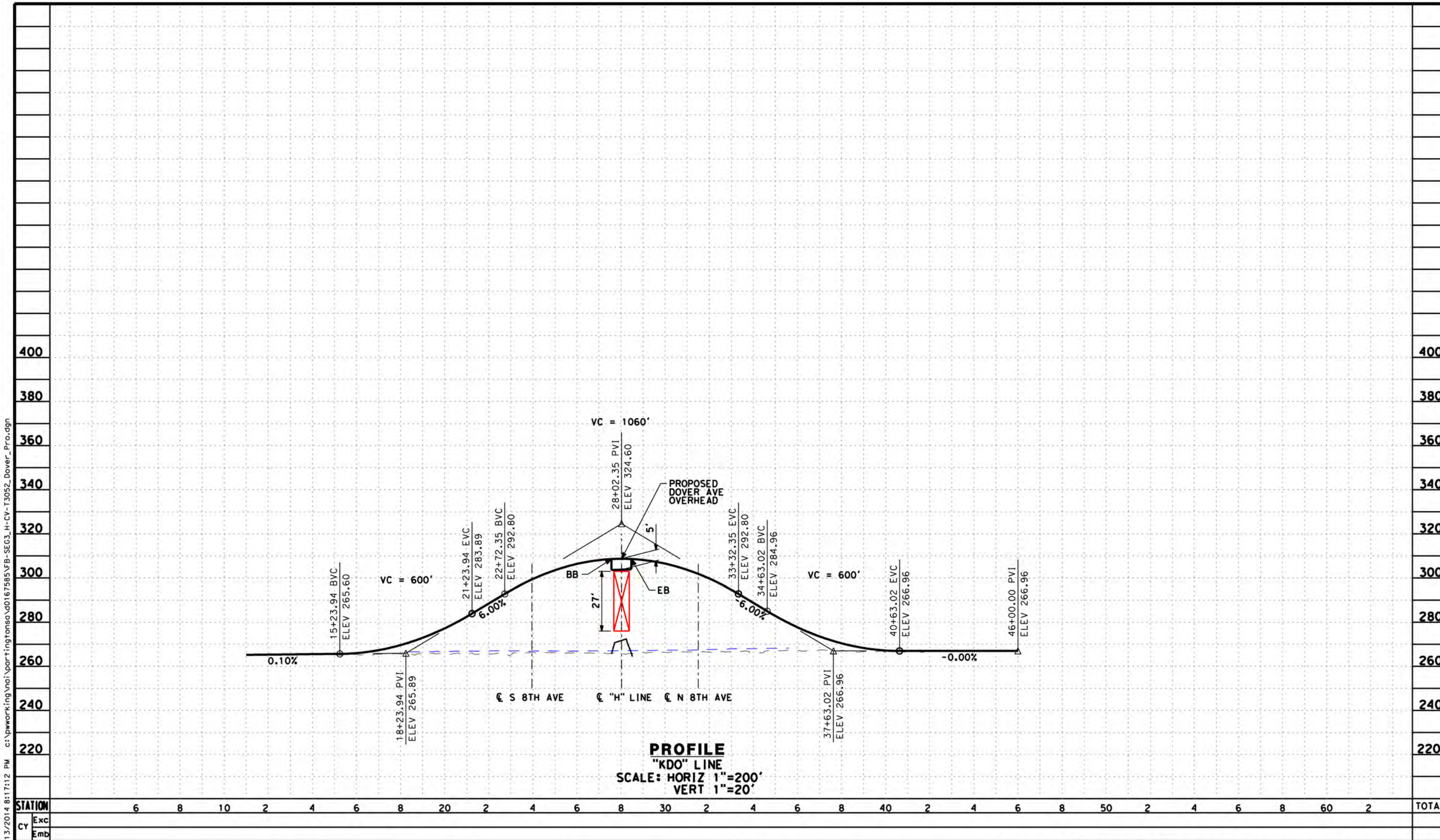


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
GRADE SEPARATION LAYOUT
8th AVE (NORTH AND SOUTH)

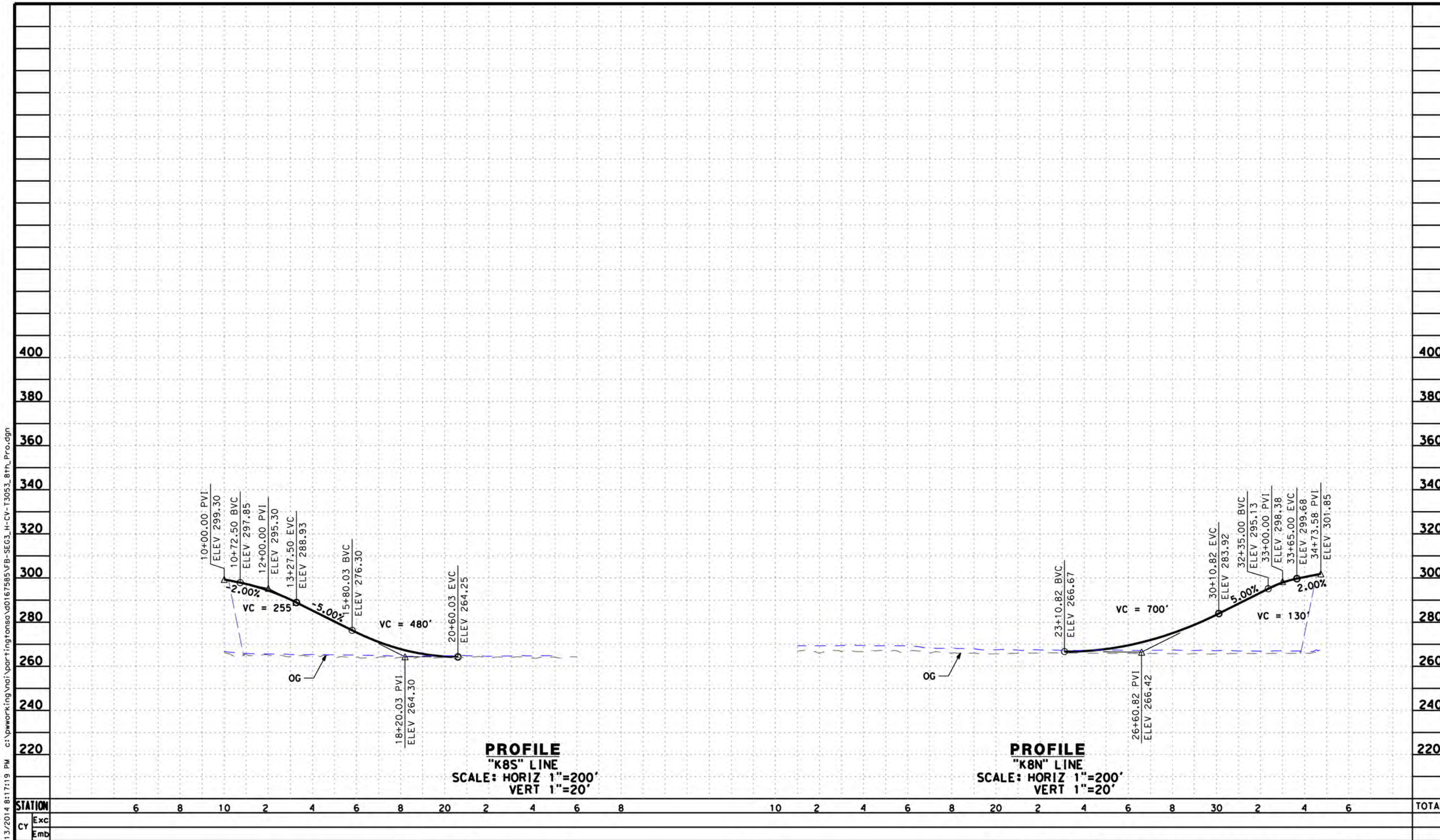
CONTRACT NO.
HST 06-0003
DRAWING NO.
T3051
SCALE
AS SHOWN
SHEET NO.
- OF -

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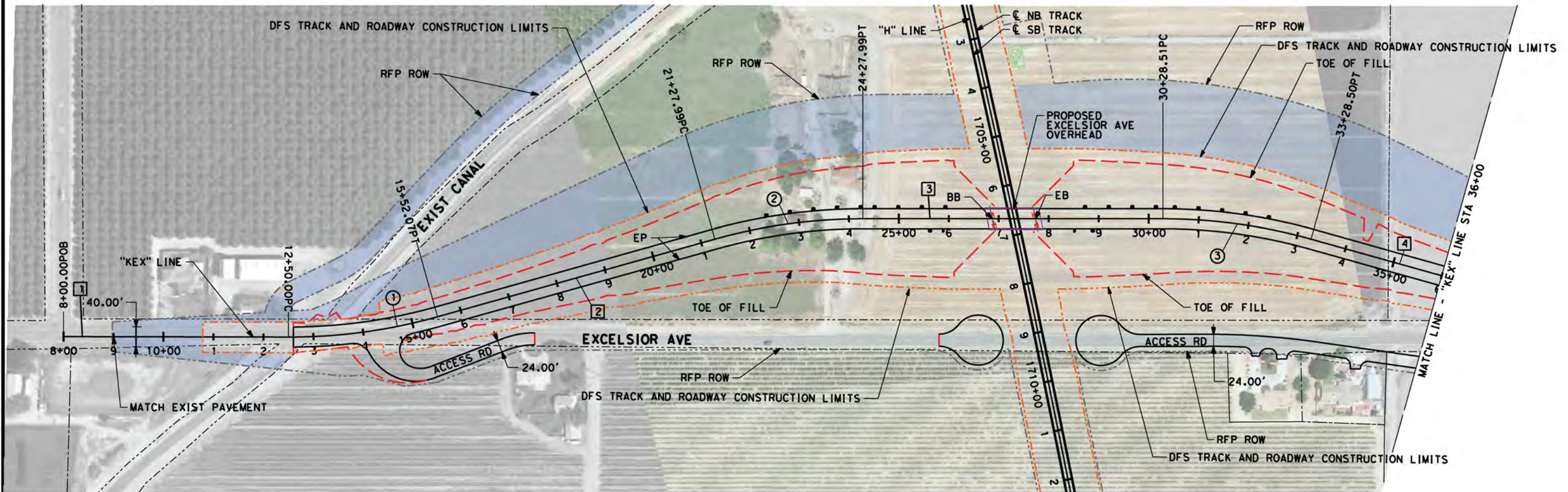
10 porting tons	DISCLAIMER: THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.		DESIGNED BY B. KIDD	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED RAIL AUTHORITY	CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD HANFORD SUBSECTION ALIGNMENT H GRADE SEPARATION PROFILE DOVER AVE		CONTRACT NO. HSR 06-000
	DRAWN BY Z. ROOKHUYZEN	DRAWING NO. T3052								
	CHECKED BY E. KARAM	SCALE AS SHOWN								
	IN CHARGE R. TREVETT	SHEET NO. - OF -								
	DATE 08/28/14									

10/13/2014 8:17:19 PM c:\pwworking\ndi\portingtonsa\0167585\FB-SEG3_H-CV-T3053_8th_Pro.dgn



DISCLAIMER: THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.	DESIGNED BY B. KIDD	RECORD SET 15% DESIGN SUBMISSION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD HANFORD SUBSECTION ALIGNMENT H GRADE SEPARATION PROFILE 8TH AVE (NORTH & SOUTH)	CONTRACT NO. HSR 06-0003
	DRAWN BY Z. ROOKHUYZEN					CHECKED BY E. KARAM
	IN CHARGE R. TREVETT	NOT FOR CONSTRUCTION				SCALE AS SHOWN
	DATE 08/28/14					SHEET NO. - OF -

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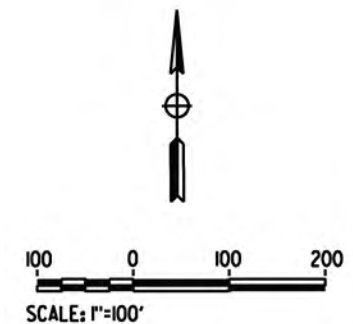
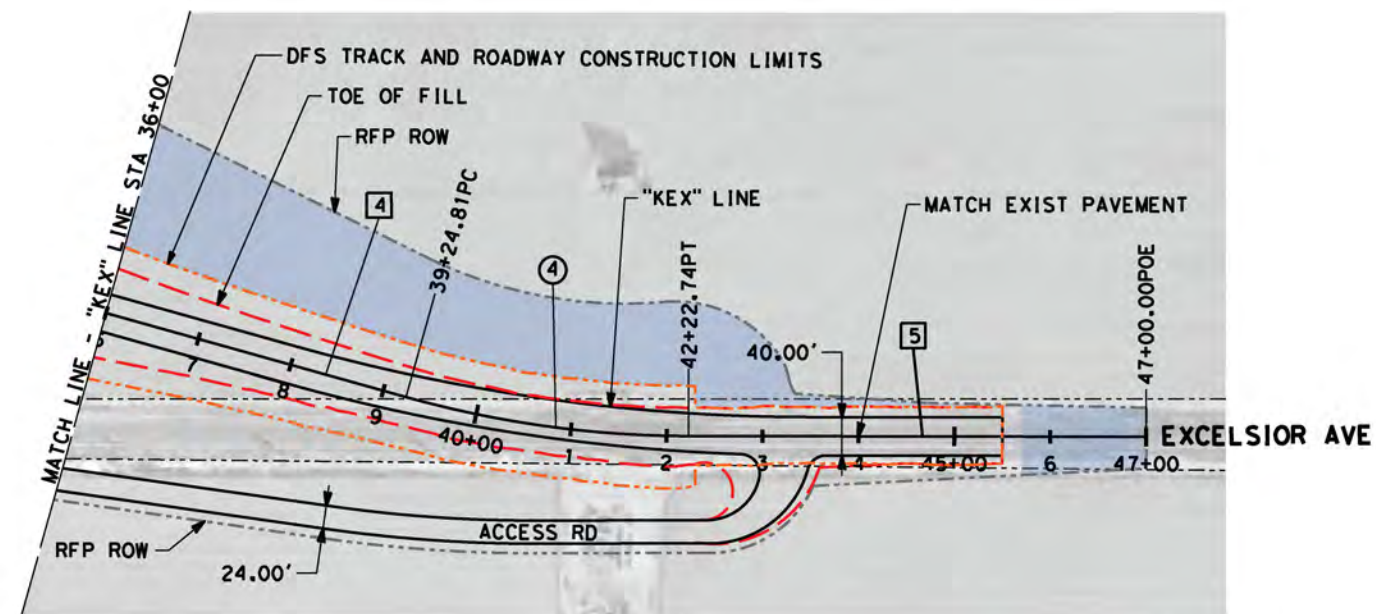


LINE DATA

NO.	BEARING	DISTANCE
1	S89°46'07"E	250.00'
2	N74°29'50"E	575.91'
3	S89°52'36"E	600.52'
4	S74°15'02"E	473.68'
5	S89°46'07"E	354.63'

CURVE DATA

NO.	R	Δ	T	L
①	1100.00'	15°44'03"	151.99'	302.07'
②	1100.00'	15°37'34"	150.94'	300.00'
③	1100.00'	15°37'34"	150.94'	300.00'
④	2000.00'	15°31'05"	272.51'	541.68'



REDUCTION IN CONSTRUCTION LIMITS

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DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

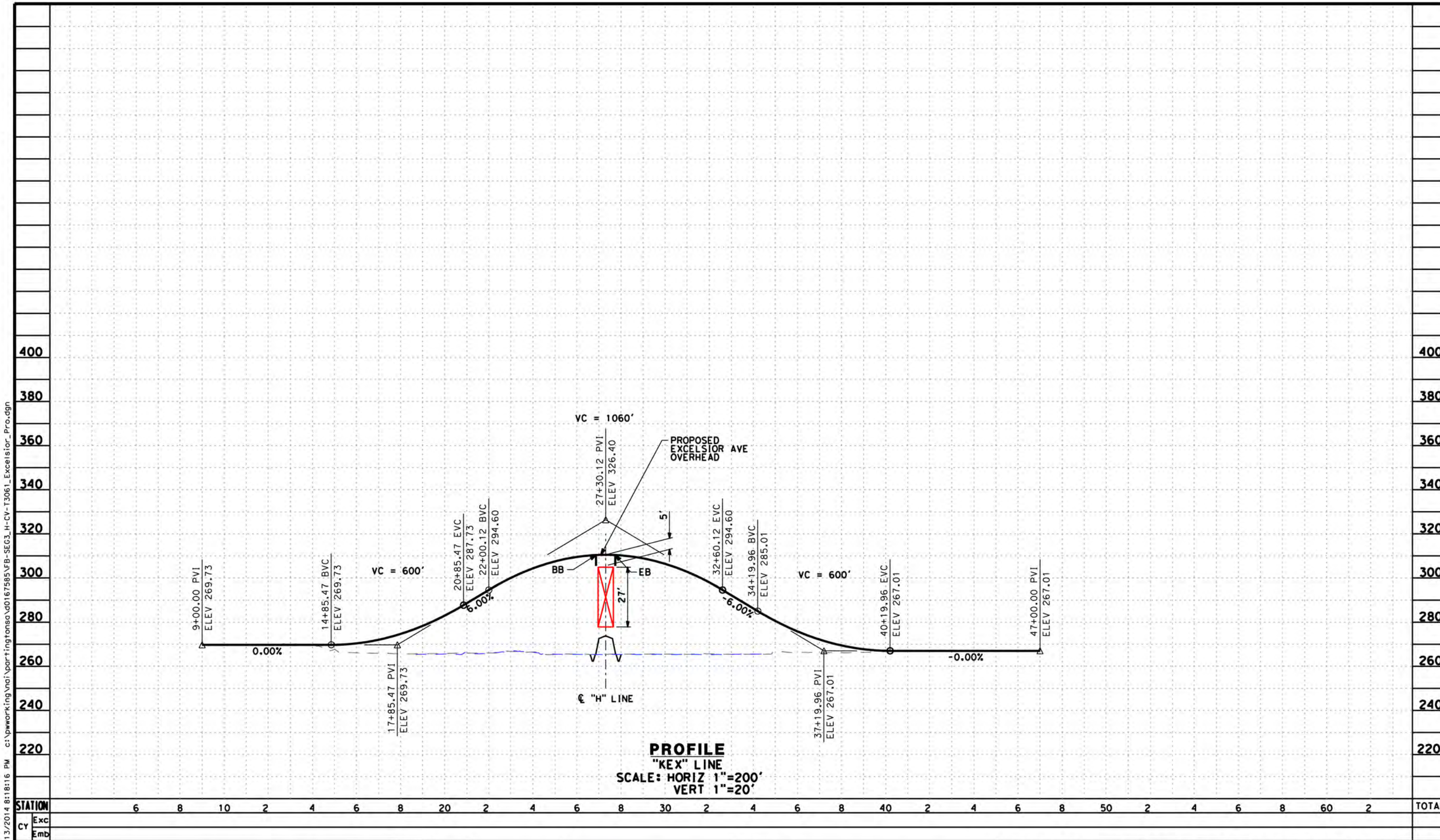


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
GRADE SEPARATION LAYOUT
EXCELSIOR AVE

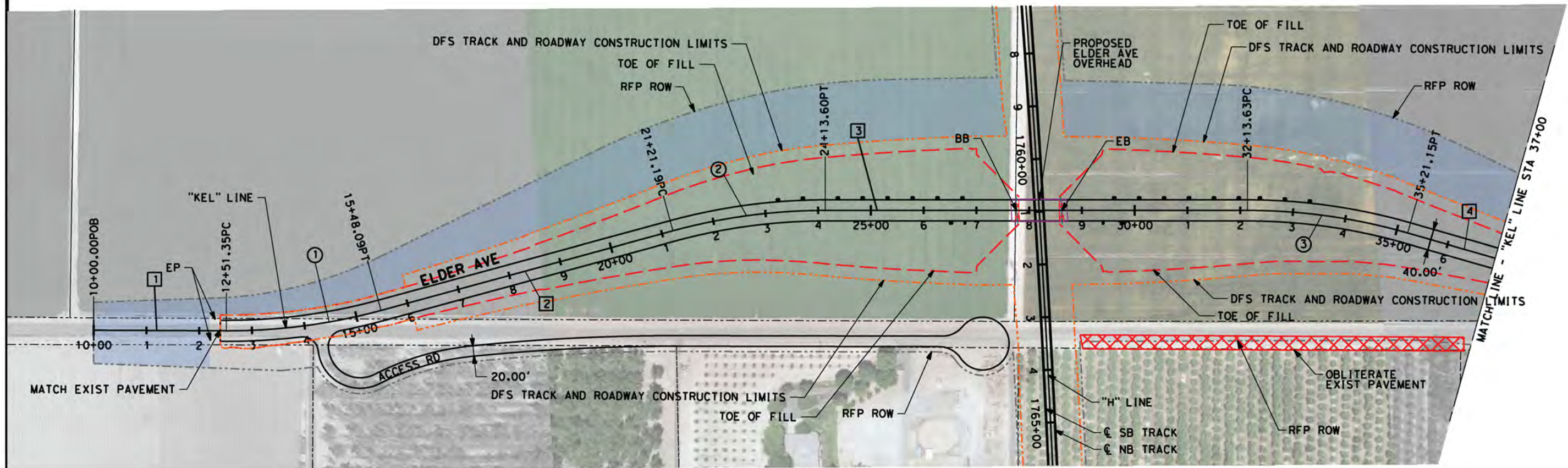
CONTRACT NO.
HST 06-0003
DRAWING NO.
T3060
SCALE
AS SHOWN
SHEET NO.
- OF -

c:\pwworking\ndi\portingtonsa\0167585\FB-SEG3_H-CV-T3061_Excelsior_Pro.dgn 10/13/2014 8:18:16 PM



DISCLAIMER: THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.	DESIGNED BY B. KIDD	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD HANFORD SUBSECTION ALIGNMENT H GRADE SEPARATION PROFILE EXCELSIOR AVE	CONTRACT NO. HSR 06-0003
	DRAWN BY Z. ROOKHUYZEN					DRAWING NO. T3061
	CHECKED BY E. KARAM					SCALE AS SHOWN
	IN CHARGE R. TREVETT					SHEET NO. - OF -
	DATE 08/28/14					

10/13/2014 8:18:41 PM c:\pwworking\ndi\portingtonsa\d0167585\FB-SEG3_H-CV-T3070_Elder.dgn

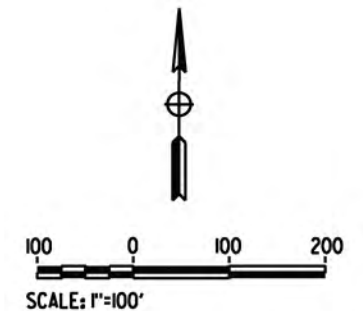
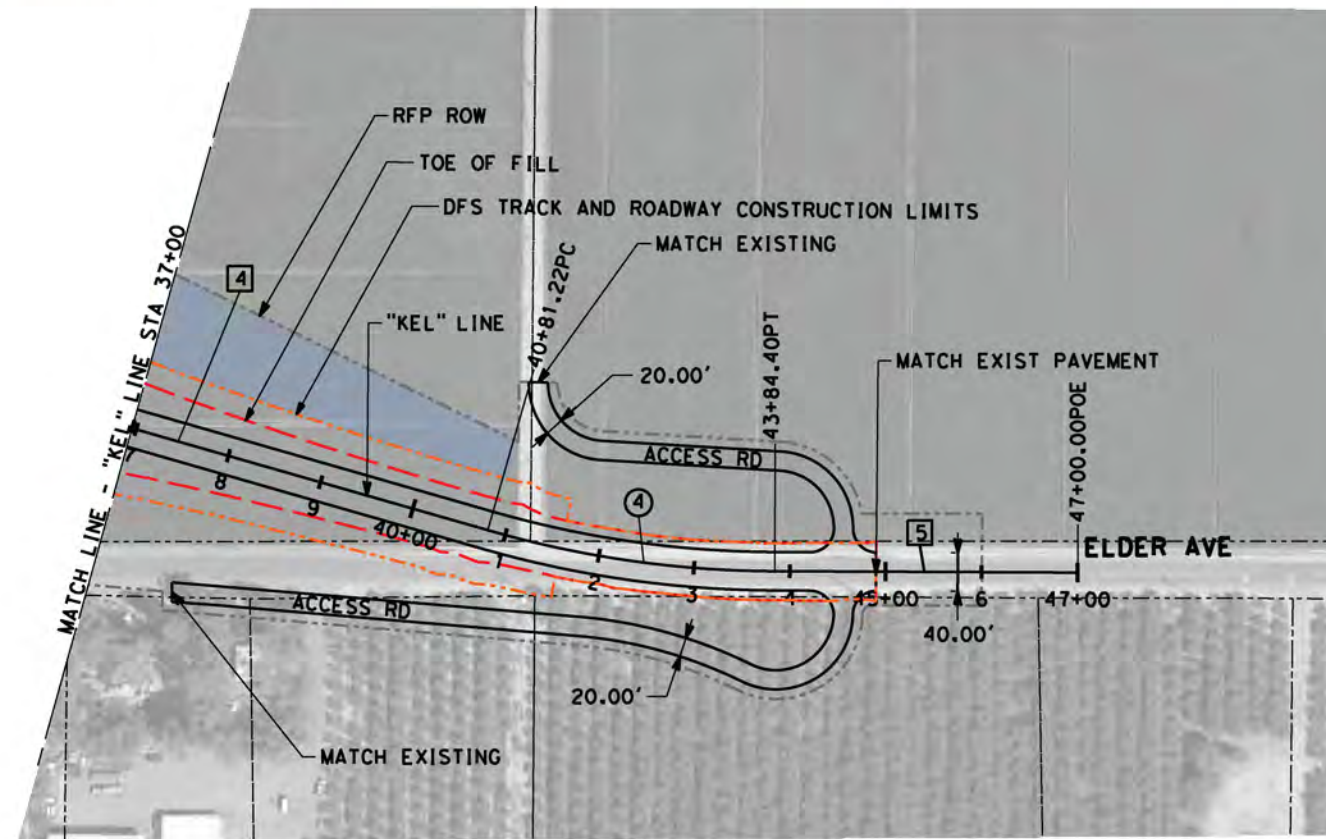


LINE DATA

NO.	BEARING	DISTANCE
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2	N74°39'31"E	573.10'
3	N89°53'20"E	800.03'
4	S74°05'35"E	560.07'
5	S89°53'06"E	315.60'

CURVE DATA

NO.	R	Δ	T	L
①	1100.00'	15°27'23"	149.28'	296.74'
②	1100.00'	15°13'50"	147.07'	292.40'
③	1100.00'	16°01'51"	154.77'	307.52'
④	1100.00'	15°47'31"	152.56'	303.18'



REDUCTION IN CONSTRUCTION LIMITS

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DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

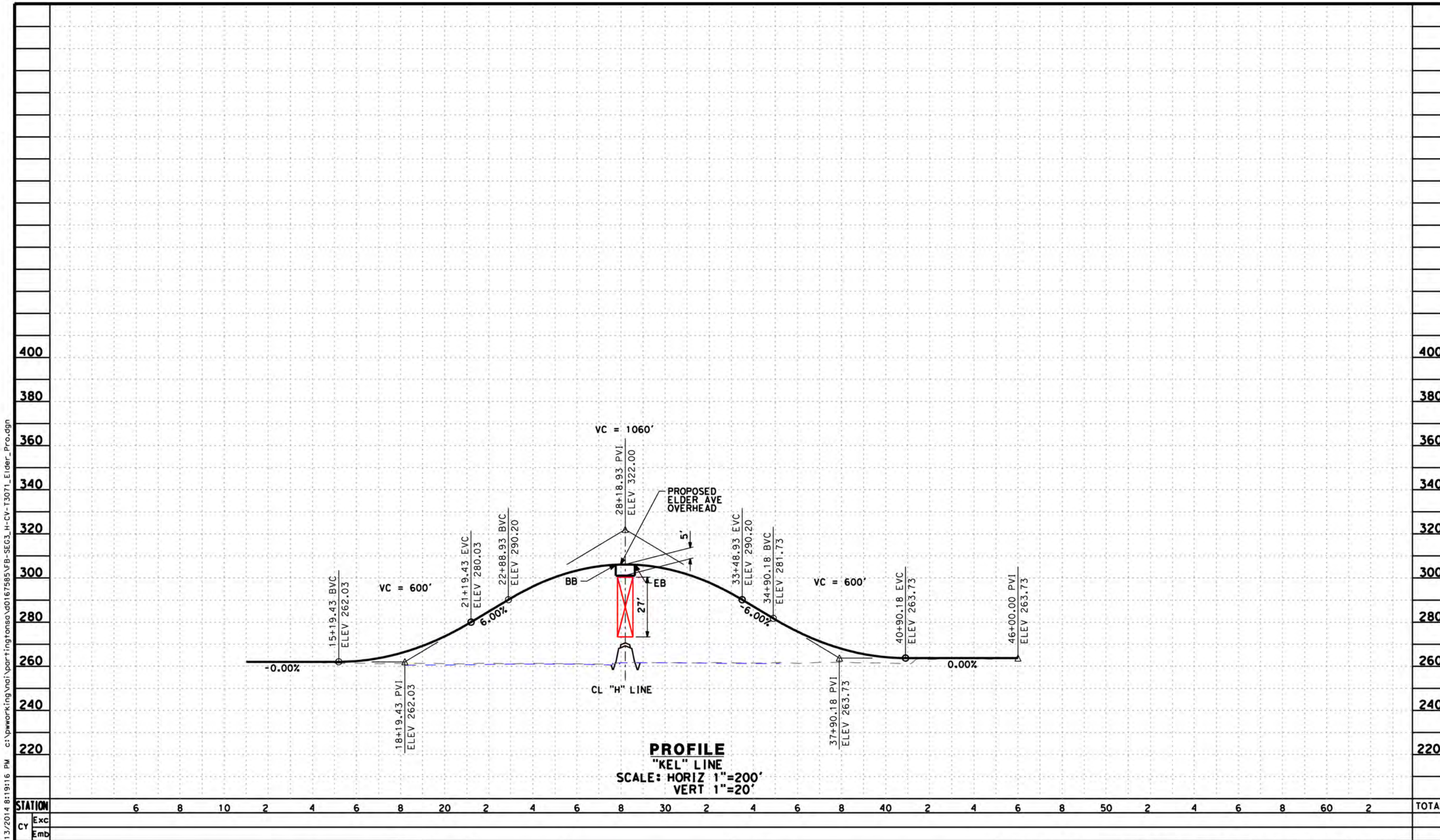


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
GRADE SEPARATION LAYOUT
ELDER AVE

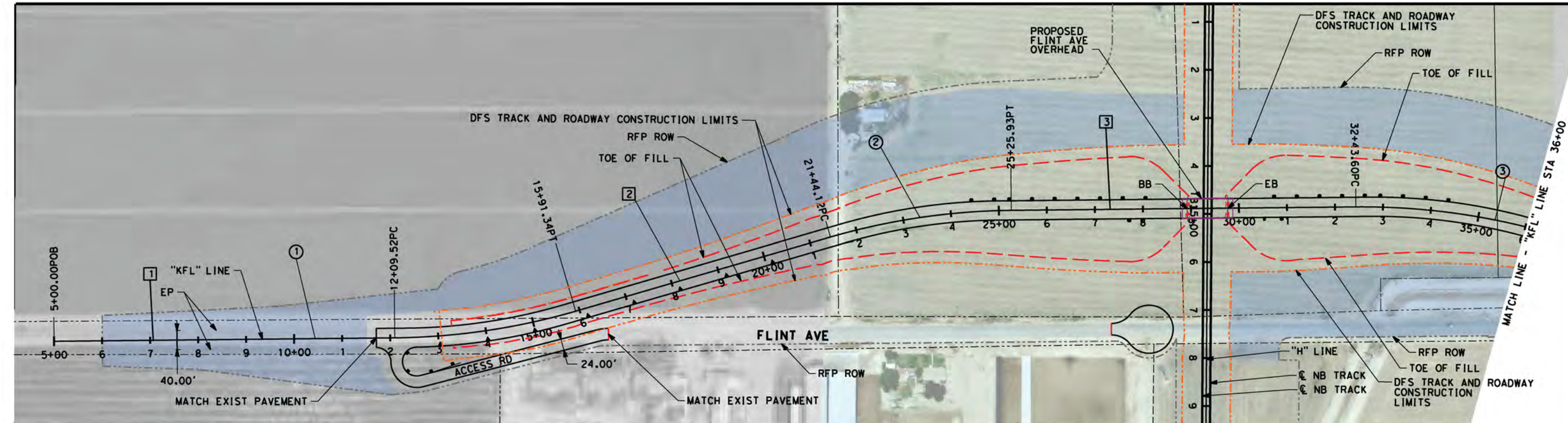
CONTRACT NO.
HST 06-0003
DRAWING NO.
T3070
SCALE
AS SHOWN
SHEET NO.
- OF -

10/13/2014 8:19:16 PM c:\pwworking\ndi\portingtonsa\0167585\FB-SEG3_H-CV-T3071_Elder_Pro.dgn



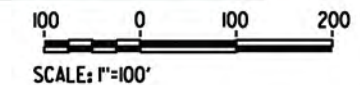
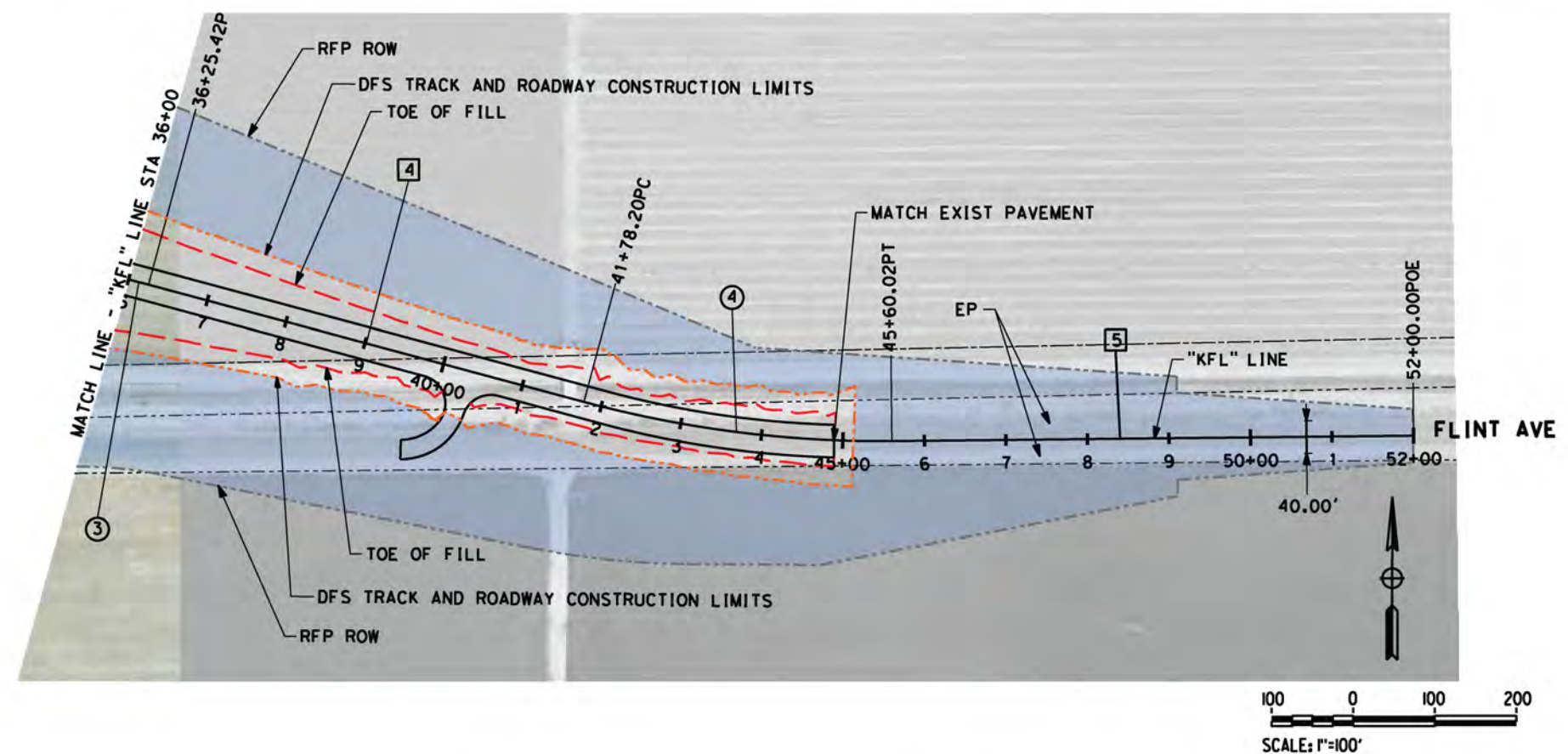
DISCLAIMER: THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.	DESIGNED BY B. KIDD	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD HANFORD SUBSECTION ALIGNMENT H GRADE SEPARATION PROFILE ELDER AVE	CONTRACT NO. HSR 06-0003
	DRAWN BY Z. ROOKHUYZEN					DRAWING NO. T3071
	CHECKED BY E. KARAM					SCALE AS SHOWN
	IN CHARGE R. TREVETT					SHEET NO.
	DATE 08/28/14					- OF -

10/13/2014 8:19:41 PM c:\pwworking\ndi\partingtonsa\d0167585\FB-SEG3_H-CV-T3080_Flint.dgn



LINE DATA		
NO.	BEARING	DISTANCE
1	N89°18'29"E	709.52'
2	N73°40'56"E	607.67'
3	N89°18'29"E	772.56'
4	S75°03'57"E	607.67'
5	N89°18'29"E	466.75'

CURVE DATA				
NO.	R	Δ	T	L
①	1400.00'	15°37'34"	192.10'	381.82'
②	1400.00'	15°37'34"	192.10'	381.82'
③	1400.00'	15°37'34"	192.10'	381.82'
④	1400.00'	15°37'34"	192.10'	381.82'



REDUCTION IN CONSTRUCTION LIMITS

DISCLAIMER:
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DESIGNED BY
B. Kidd

DRAWN BY
Z. Rookhuyzen

CHECKED BY
E. Karam

IN CHARGE
R. Trevett

DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

HANFORD SUBSECTION
ALIGNMENT H
GRADE SEPARATION LAYOUT
FLINT AVE

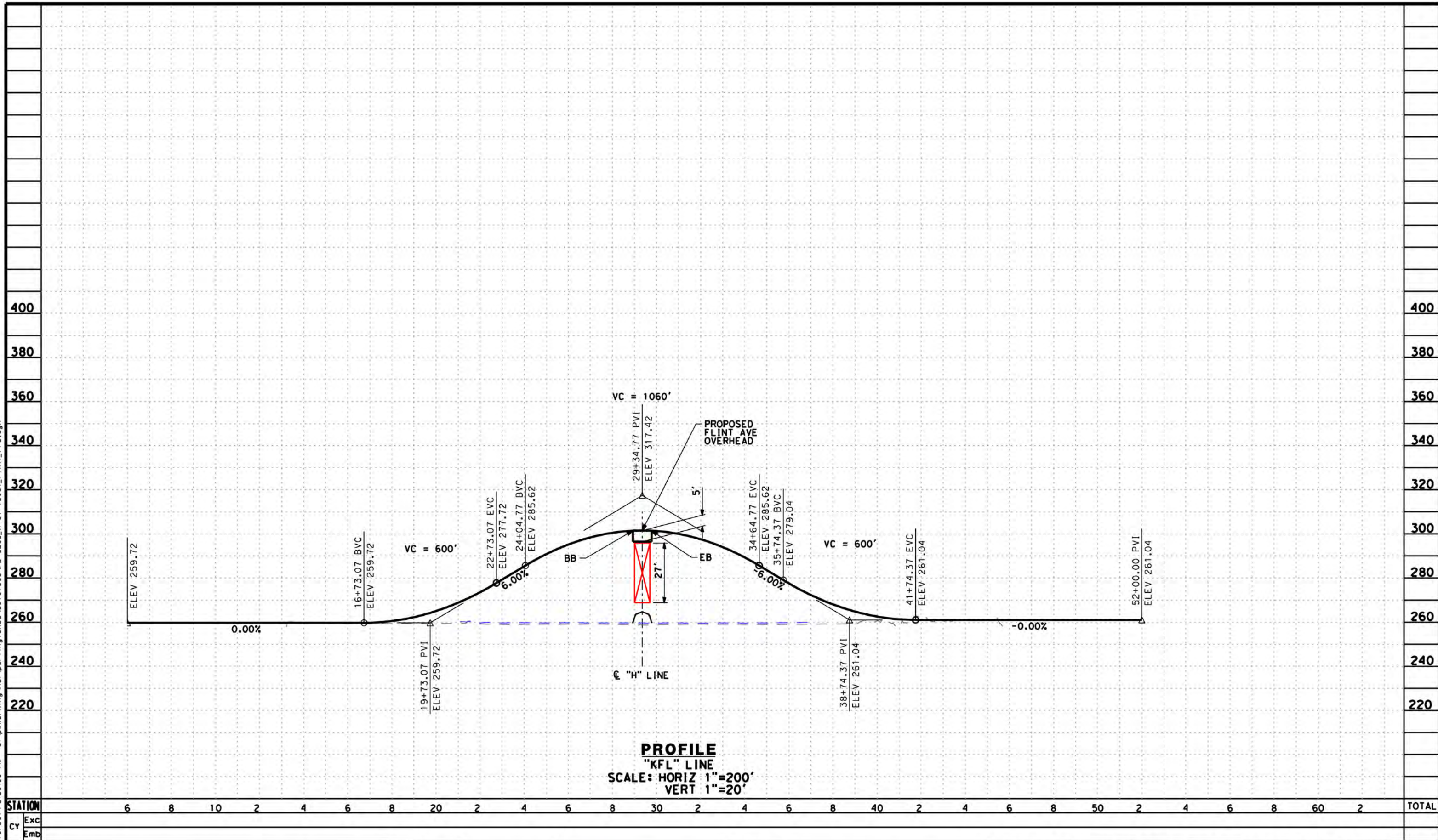
CONTRACT NO.
HST 06-0003

DRAWING NO.
T3080

SCALE
AS SHOWN

SHEET NO.
- OF -

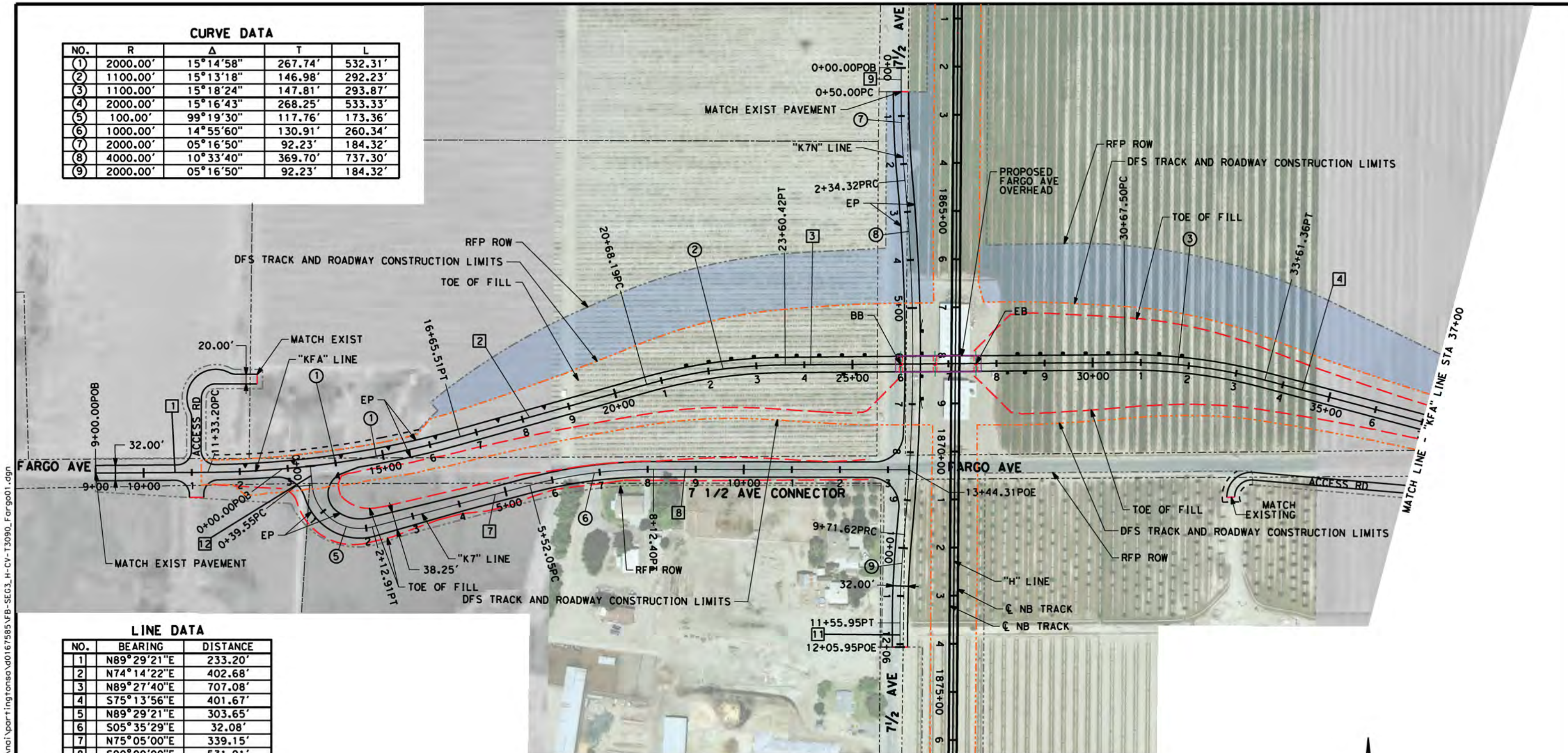
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DISCLAIMER: THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.	DESIGNED BY B. KIDD	RECORD SET 15% DESIGN SUBMISSION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD HANFORD SUBSECTION ALIGNMENT H GRADE SEPARATION PROFILE FLINT AVE	CONTRACT NO. HSR 06-0003
	DRAWN BY Z. ROOKHUYZEN					CHECKED BY E. KARAM
	IN CHARGE R. TREVETT	NOT FOR CONSTRUCTION				SCALE AS SHOWN
	DATE 08/28/14					SHEET NO. - OF -

CURVE DATA

NO.	R	Δ	T	L
①	2000.00'	15°14'58"	267.74'	532.31'
②	1100.00'	15°13'18"	146.98'	292.23'
③	1100.00'	15°18'24"	147.81'	293.87'
④	2000.00'	15°16'43"	268.25'	533.33'
⑤	100.00'	99°19'30"	117.76'	173.36'
⑥	1000.00'	14°55'60"	130.91'	260.34'
⑦	2000.00'	05°16'50"	92.23'	184.32'
⑧	4000.00'	10°33'40"	369.70'	737.30'
⑨	2000.00'	05°16'50"	92.23'	184.32'



LINE DATA

NO.	BEARING	DISTANCE
1	N89°29'21"E	233.20'
2	N74°14'22"E	402.68'
3	N89°27'40"E	707.08'
4	S75°13'56"E	401.67'
5	N89°29'21"E	303.65'
6	S05°35'29"E	32.08'
7	N75°05'00"E	339.15'
8	S90°00'00"E	531.91'
9	S00°00'00"E	50.00'
10	S00°00'00"E	50.00'
11	S00°00'00"E	50.00'
12	S05°35'29"E	39.55'

REDUCTION IN CONSTRUCTION LIMITS

DISCLAIMER:
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DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

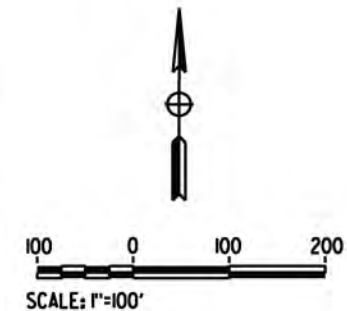
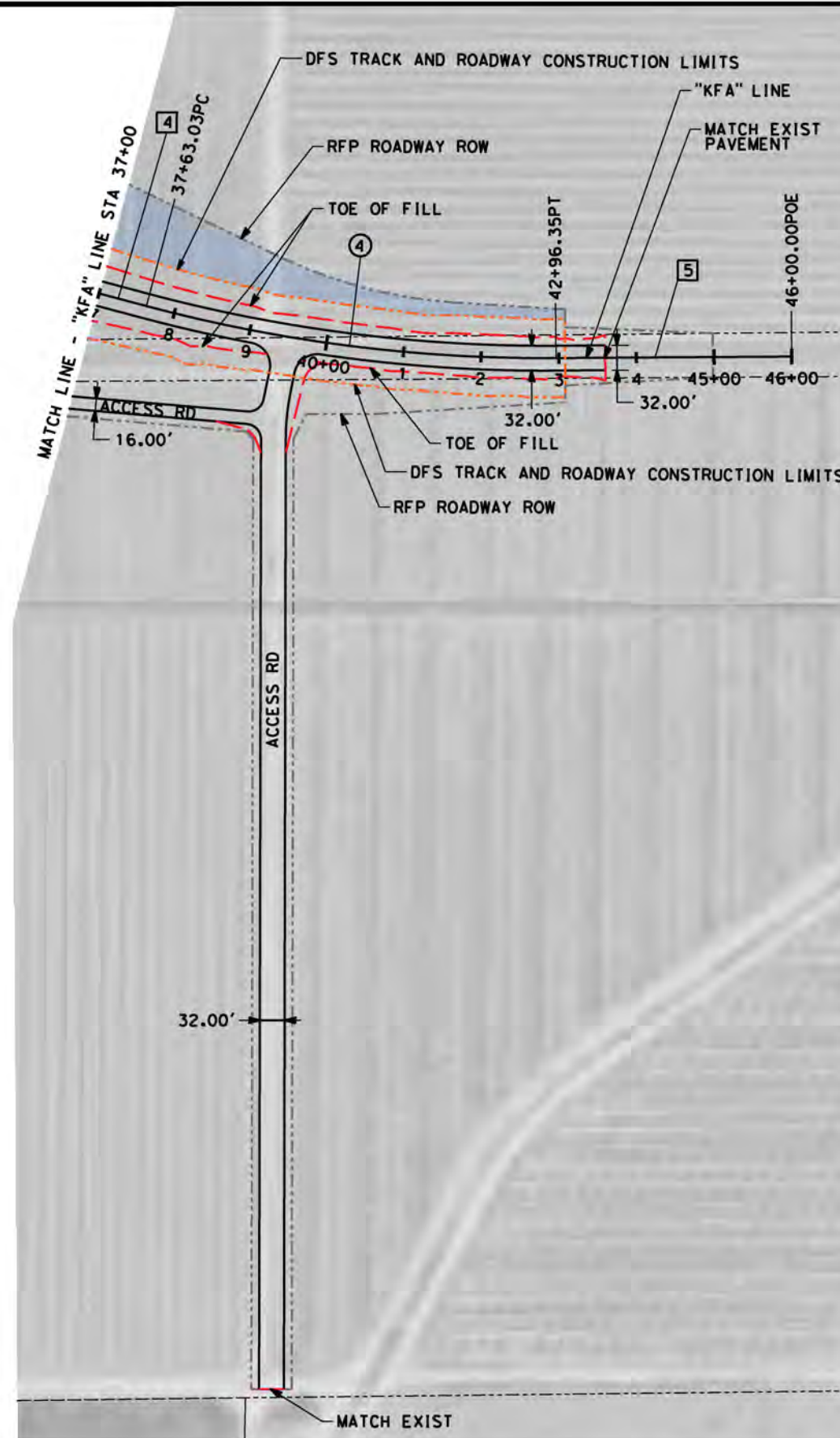
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
GRADE SEPARATION LAYOUT
FARGO AVE

CONTRACT NO.
HST 06-0003
DRAWING NO.
T3090
SCALE
AS SHOWN
SHEET NO.
- OF -

10/13/2014 8:21:17 PM c:\pwworking\ndi\partingtonsa\d0167585\FB-SEG3_H-CV-T3091_Forgo02.dgn

LINE DATA		
NO.	BEARING	DISTANCE
4	S75°13'56"E	401.67'
5	N89°29'21"E	303.65'

CURVE DATA				
NO.	R	Δ	T	L
(4)	2000.00'	15°16'43"	268.25'	533.33'



REDUCTION IN CONSTRUCTION LIMITS

DISCLAIMER:
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DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

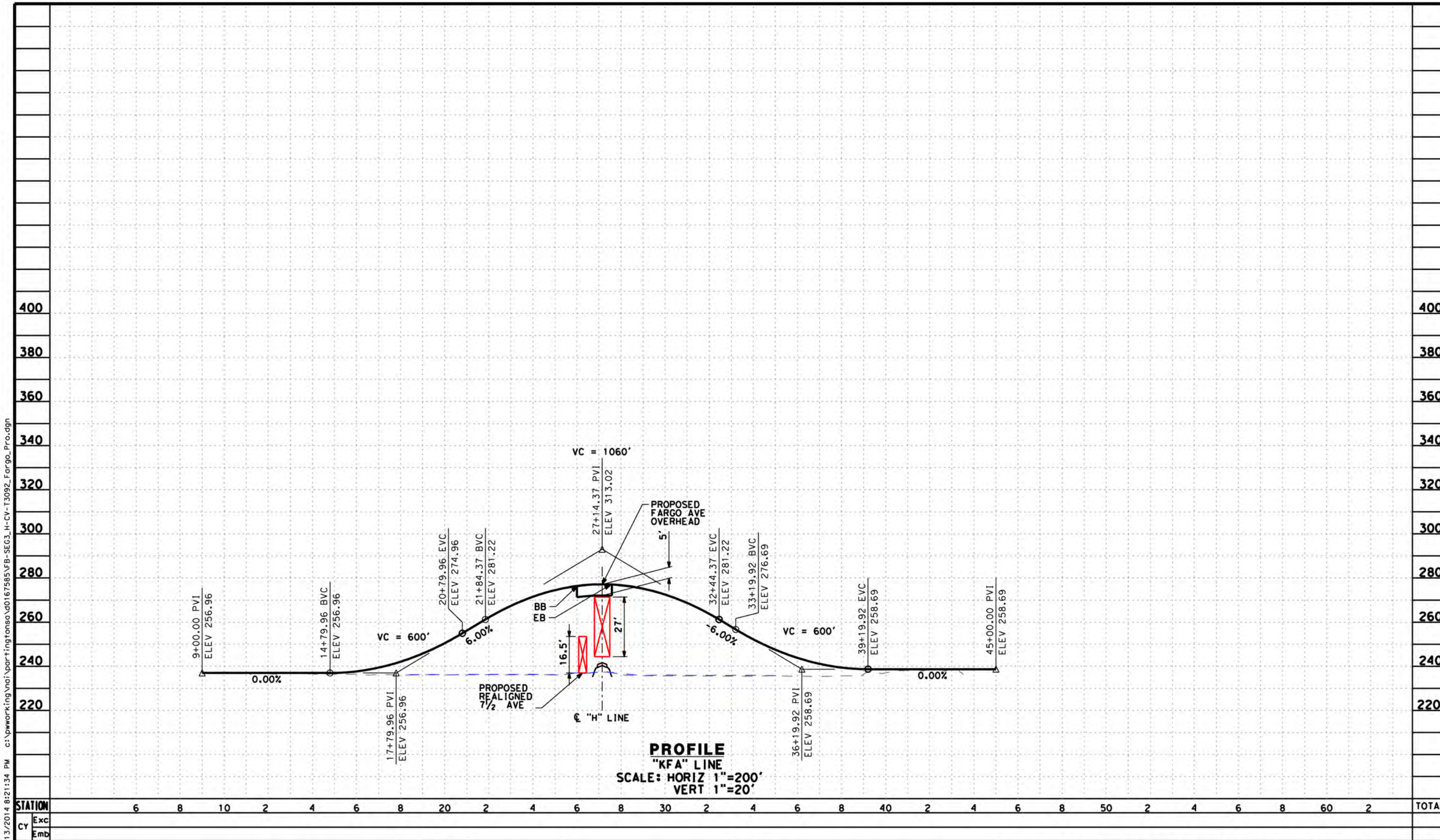


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HANFORD SUBSECTION
ALIGNMENT H
GRADE SEPARATION LAYOUT
FARGO AVE

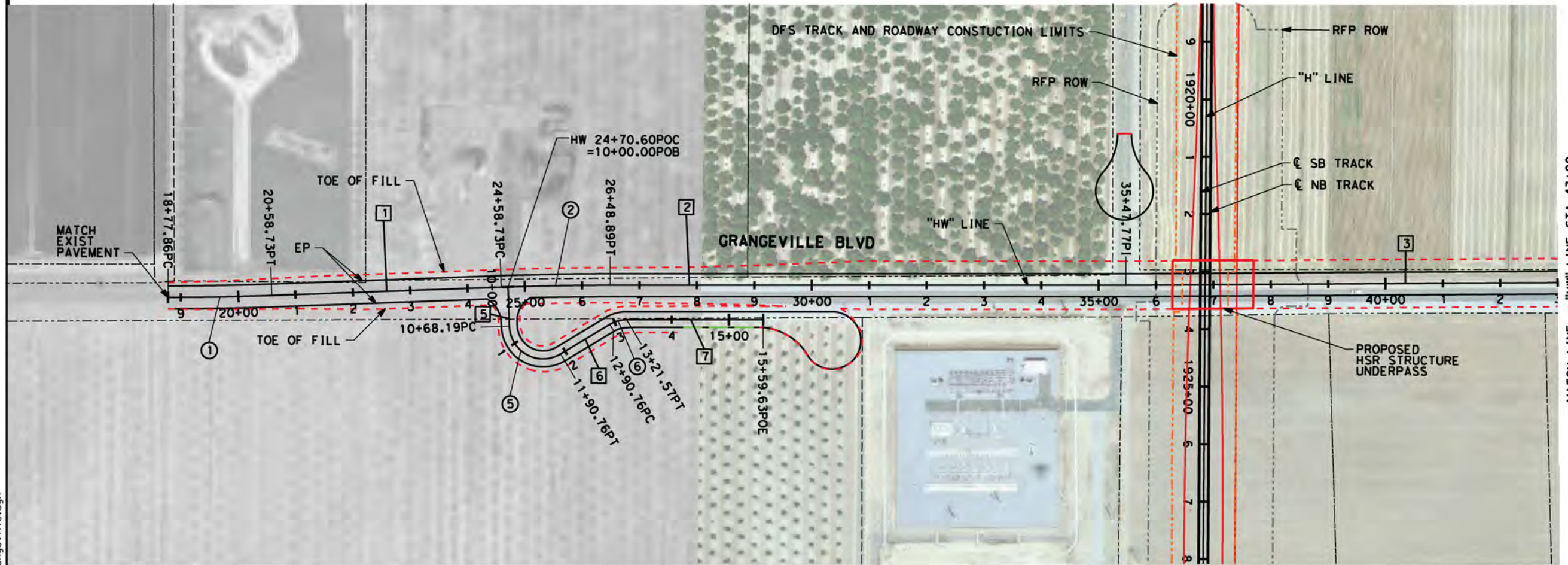
CONTRACT NO.
HST 06-0003
DRAWING NO.
T3091
SCALE
AS SHOWN
SHEET NO.
- OF -

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DISCLAIMER: THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.	DESIGNED BY B. KIDD	RECORD SET 15% DESIGN SUBMISSION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD HANFORD SUBSECTION ALIGNMENT H GRADE SEPARATION PROFILE FARGO AVE	CONTRACT NO. HSR 06-0003
	DRAWN BY Z. ROOKHUYZEN					CHECKED BY E. KARAM
	IN CHARGE R. TREVETT	NOT FOR CONSTRUCTION				SCALE AS SHOWN
	DATE 08/28/14					SHEET NO. - OF -

10/13/2014 8:21:59 PM c:\pwworking\ndi\portingtonsa\d0167585\FB-SEG3_H-CV-T3100_Grangeville.dgn



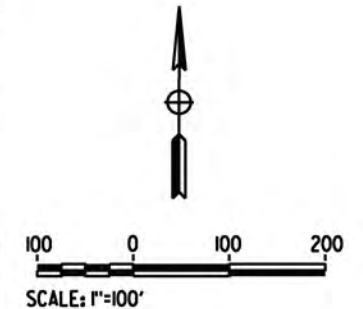
MATCH LINE - "HW" LINE STA 43+00

LINE DATA

NO.	BEARING	DISTANCE
1	N87°49'15"E	400.00'
2	N89°53'37"E	898.88'
3	N89°32'02"E	1174.44'
4	S88°32'04"E	400.00'
5	S2°02'35"E	68.19'
6	N58°55'20"E	100.00'
7	N89°53'37"E	238.06'

CURVE DATA

NO.	R	Δ	T	L
1	5000.00'	2°04'21"	90.45'	180.87'
2	5000.00'	2°10'45"	95.09'	190.16'
3	5000.00'	1°27'56"	63.95'	127.89'
4	5000.00'	1°55'54"	87.29'	168.57'
5	59.00'	97°06'41"	100.23'	122.58'
6	57.00'	30°58'17"	15.79'	30.81'



REDUCTION IN CONSTRUCTION LIMITS

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DESIGNED BY
Z. Rookhuyzen
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

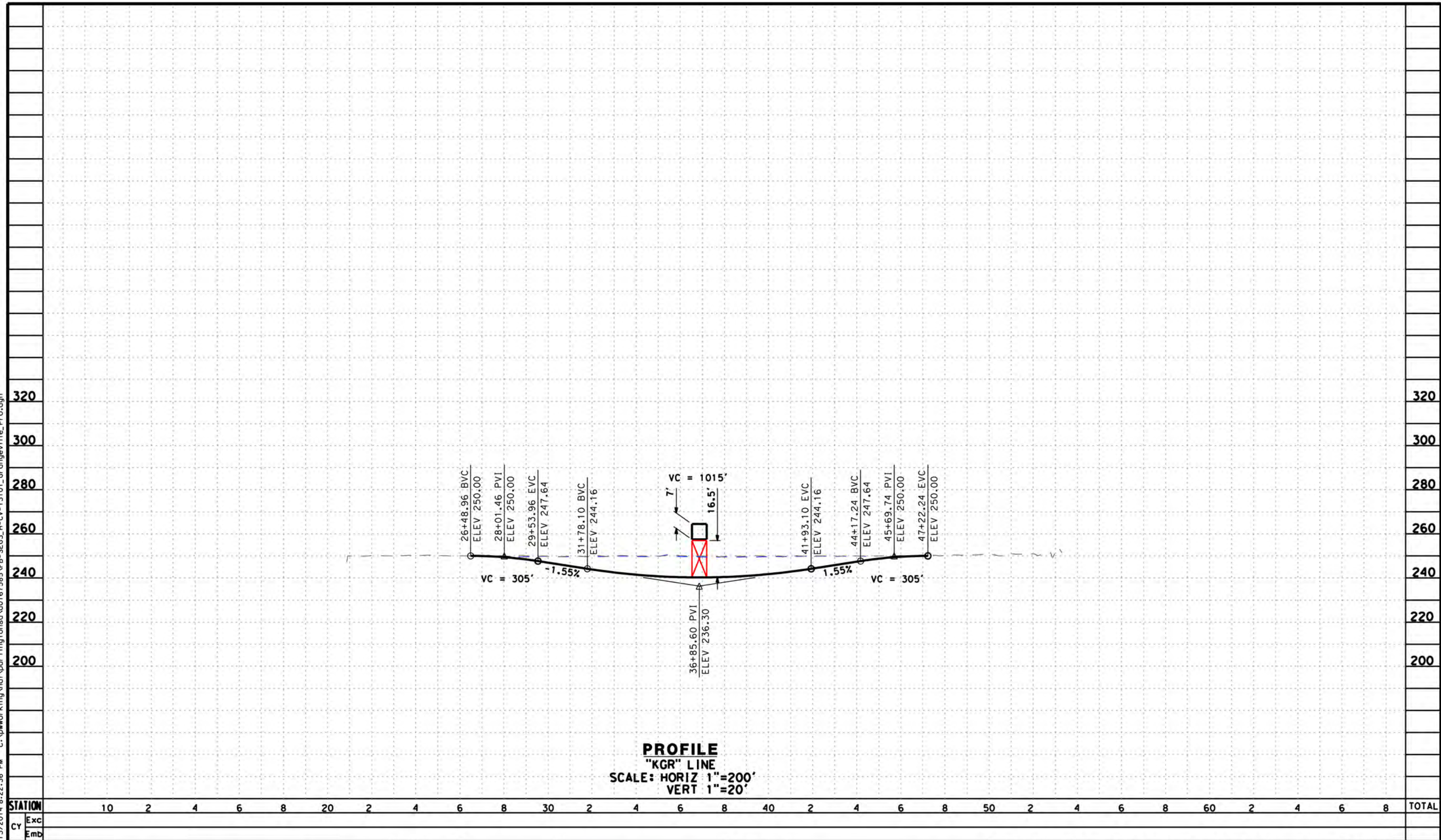
NOT FOR
CONSTRUCTION



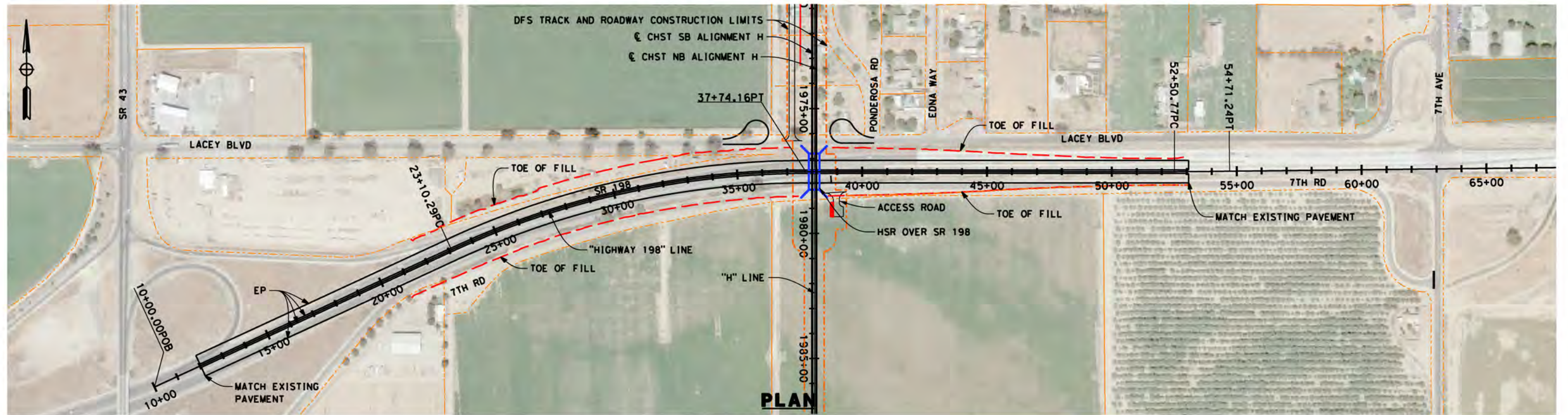
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
GRADE SEPARATION LAYOUT
GRANGEVILLE BOULEVARD
ATC 17

CONTRACT NO.
HST 06-0003
DRAWING NO.
T3100
SCALE
AS SHOWN
SHEET NO.
- OF -

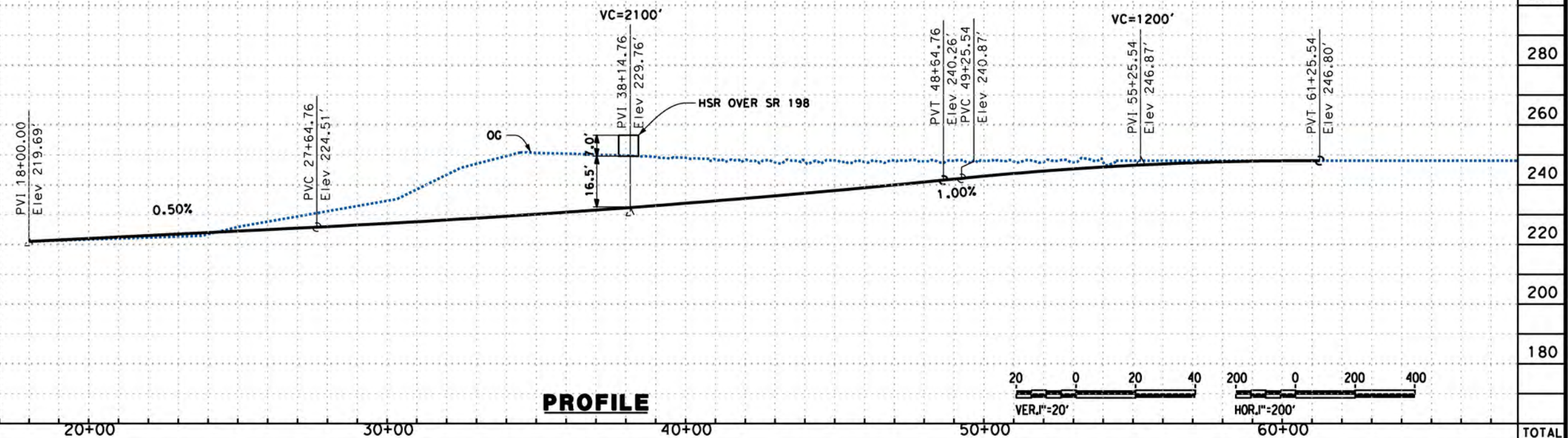
10/13/2014 8:22:36 PM c:\pwworking\ndi\portingtonsa\0167585\FB-SEG3_H-CV-T3101_Grangeville_Pro.dgn



DISCLAIMER: THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.	DESIGNED BY B. KIDD	RECORD SET 15% DESIGN SUBMISSION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD HANFORD SUBSECTION ALIGNMENT H GRADE SEPARATION PROFILE GRANGEVILLE BLVD	CONTRACT NO. HSR 06-0003
	DRAWN BY Z. ROOKHUYZEN					DRAWING NO. T3101
	CHECKED BY E. KARAM	NOT FOR CONSTRUCTION			SCALE AS SHOWN	SHEET NO. - OF -
	IN CHARGE R. TREVETT				ATC 17	
	DATE 08/28/14					



PLAN



PROFILE

10/13/2014 8:22:46 PM c:\pwworking\ndi\partingtons\0167585\FB-SEG3_H-CV-T3110_SR198_pp.dgn

STATION	Exc	Emb	TOTAL
20+00			
30+00			
40+00			
50+00			
60+00			

DISCLAIMER:
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DESIGNED BY
E. DELAPAZ
DRAWN BY
S. PARTINGTON
CHECKED BY
E. KARAM
IN CHARGE
R. TREVETT
DATE
10/15/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION



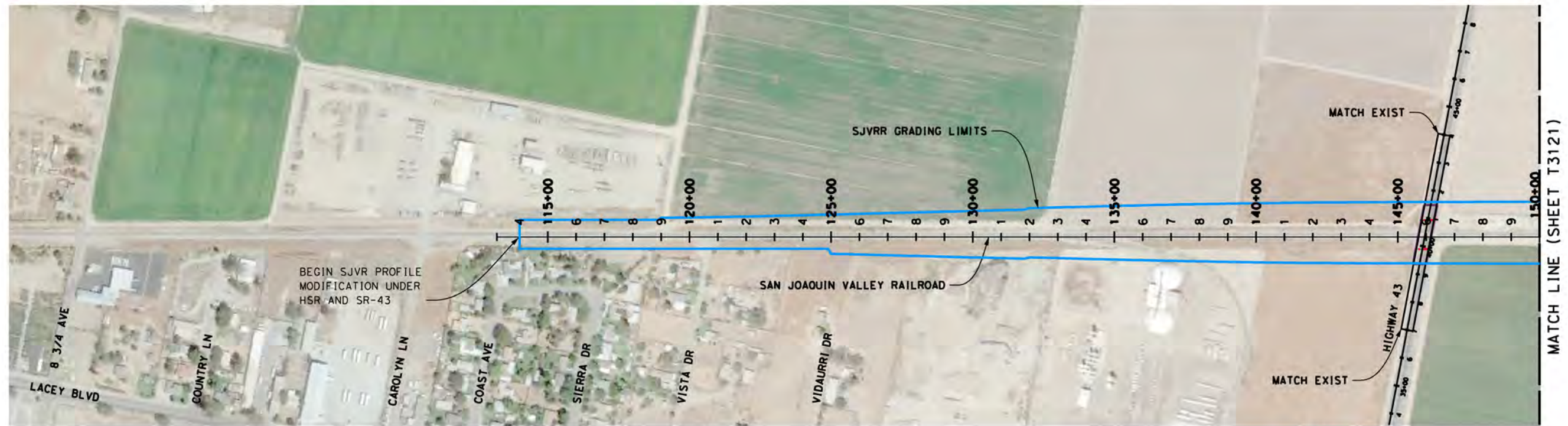
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT SR-198
STA. 18+65 TO 56+27
ATC17 PLAN AND PROFILE

ATC 17

CONTRACT NO.
HSR 06-0003
DRAWING NO.
T3110
SCALE
AS SHOWN
SHEET NO.

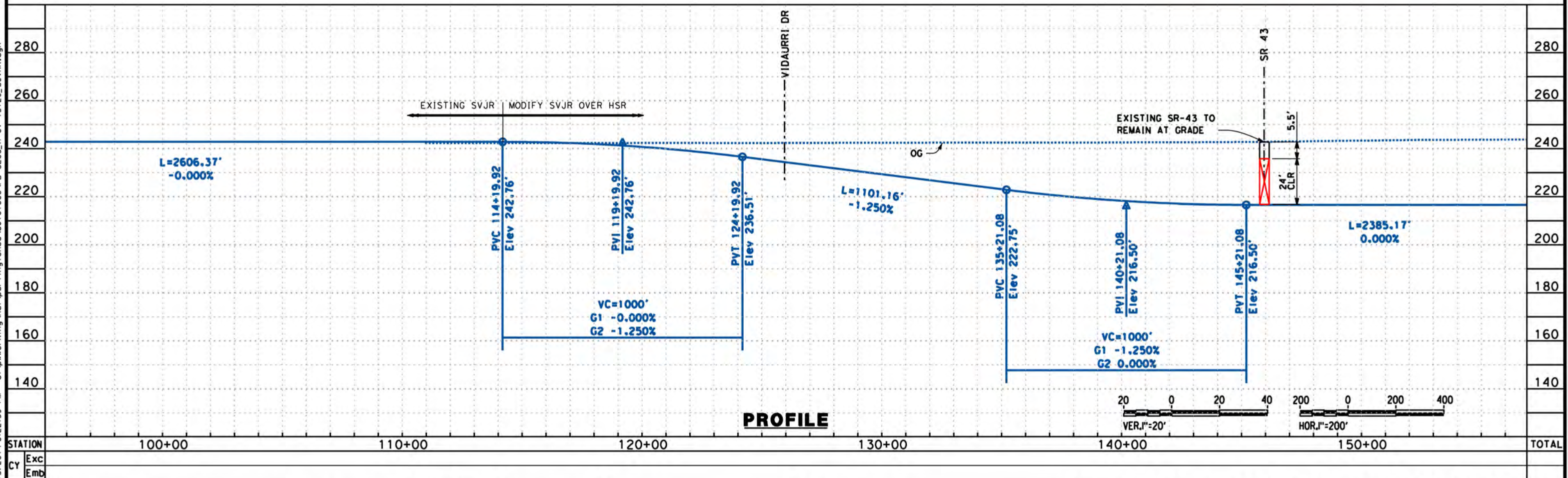
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PLAN

NOTE:

1. THE PROPOSED RIGHT-OF-WAY SHOWN IS ESTIMATED.



PROFILE

DISCLAIMER:
THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.

DESIGNED BY
A. ROJO
DRAWN BY
Z. ROOKHUYZEN
CHECKED BY
E. KARAM
IN CHARGE
R. TREVETT
DATE
10/15/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION



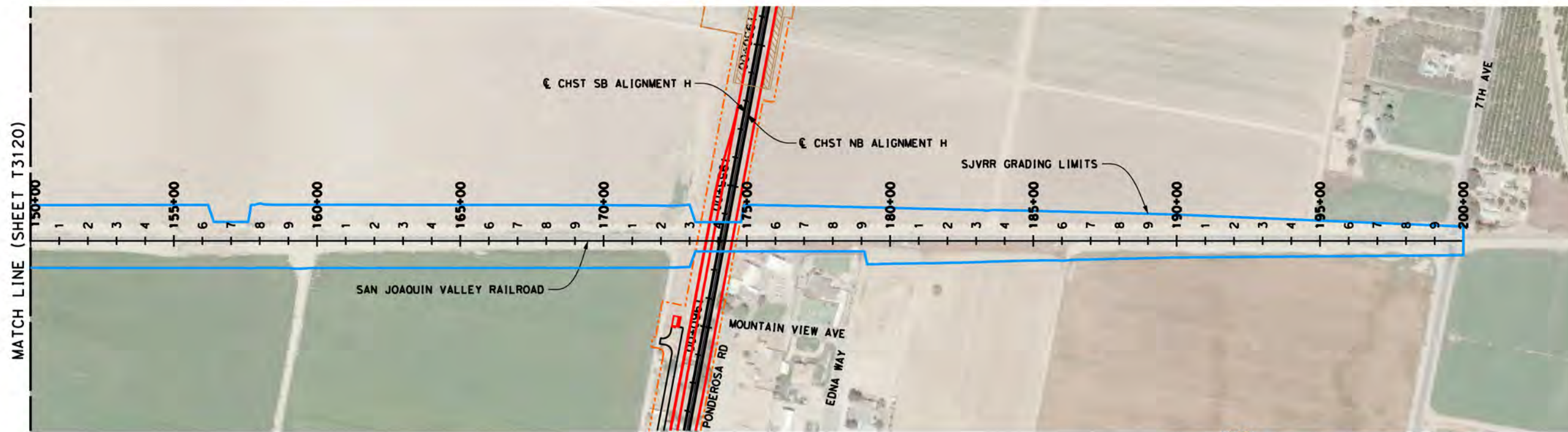
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HANFORD SUBSECTION
ALIGNMENT SJVR
STA. 113+20 TO 150+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
T3120
SCALE
AS SHOWN
SHEET NO.

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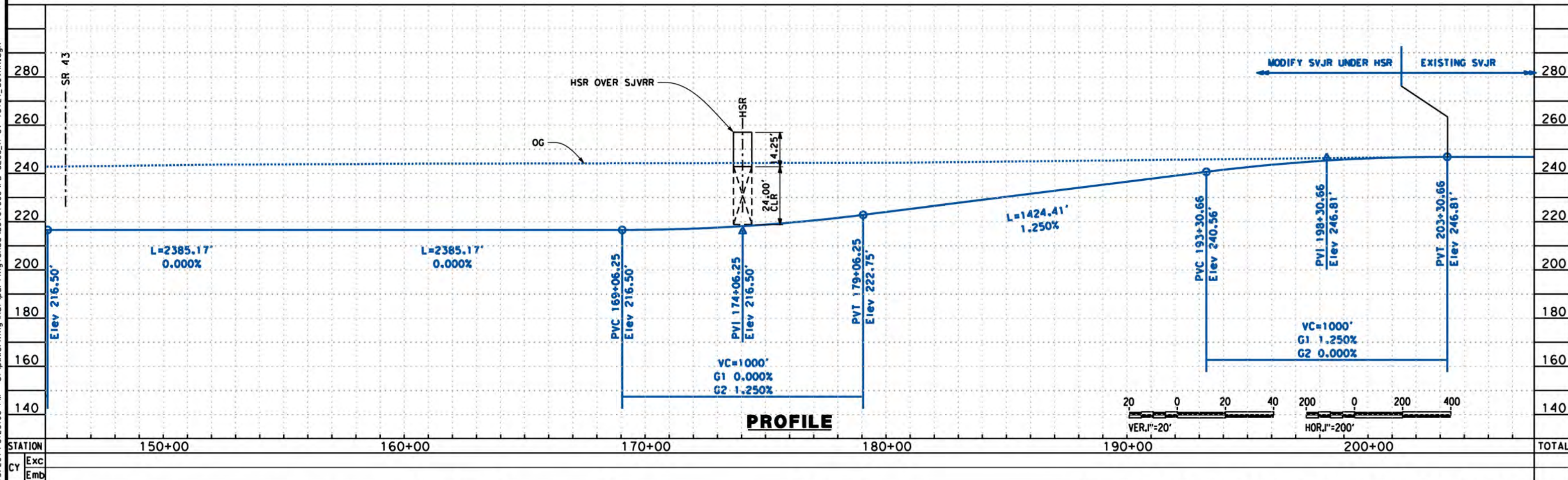
portingtonsa



PLAN

NOTE:

1. THE PROPOSED RIGHT-OF-WAY SHOWN IS ESTIMATED.



DISCLAIMER:
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DESIGNED BY
A. ROJO
DRAWN BY
Z. ROOKHUYZEN
CHECKED BY
E. KARAM
IN CHARGE
R. TREVETT
DATE
10/15/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

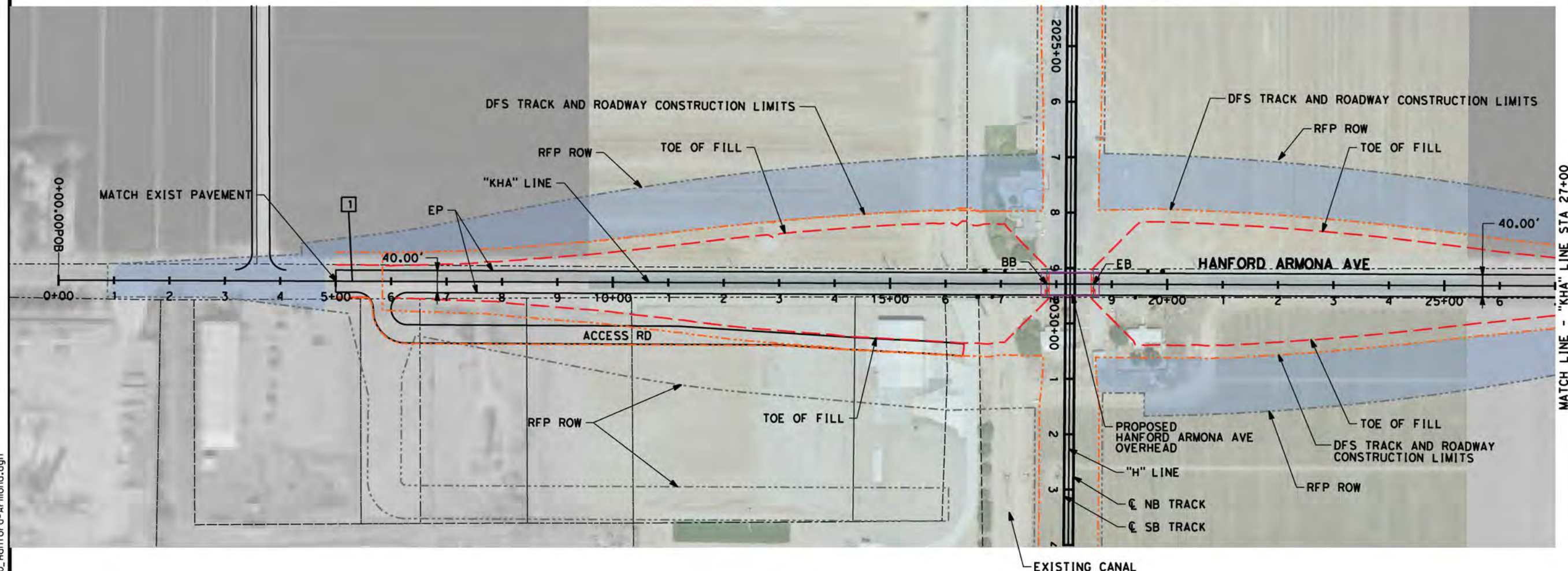


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

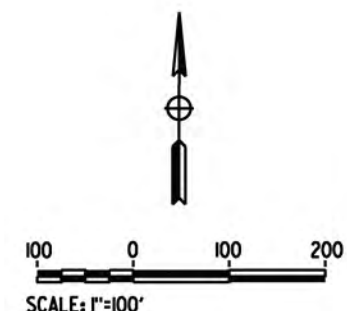
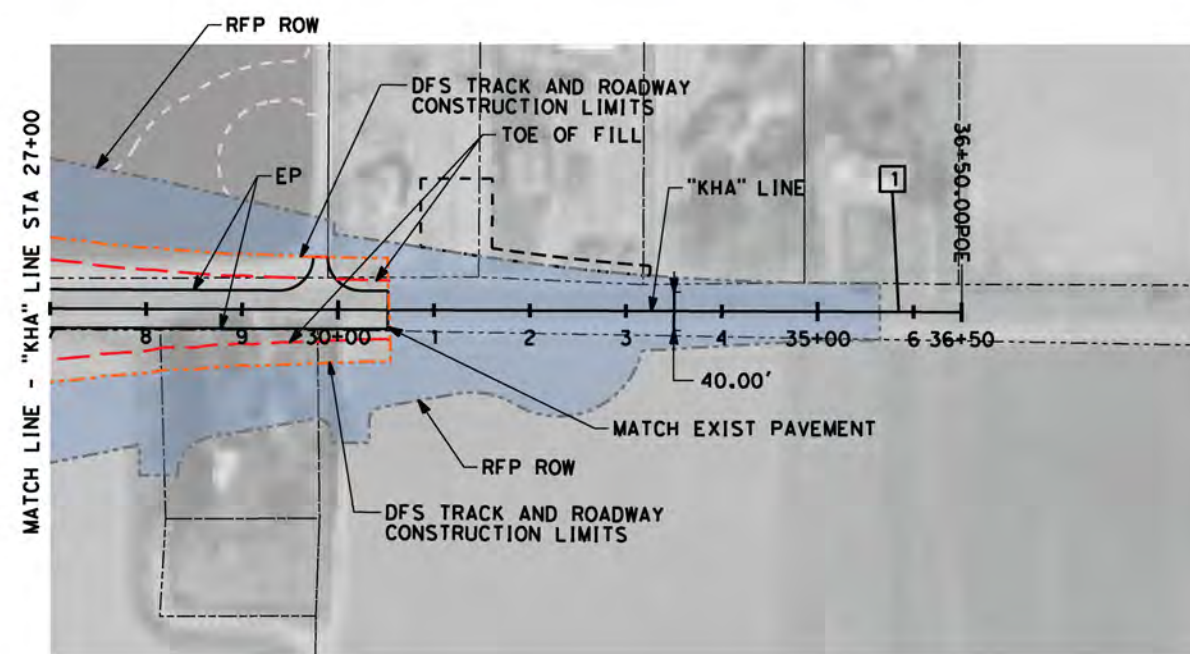
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HANFORD SUBSECTION
ALIGNMENT SJVR
STA. 150+00 TO 200+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
T3121
SCALE
AS SHOWN
SHEET NO.
02 OF 03

c:\pwworking\ndi\partingtonsa\d0167585\FB-SEG3_H-CV-T3130_Hanford-Armona.dgn 10/13/2014 8:23:35 PM



LINE DATA		
NO.	BEARING	DISTANCE
1	S89°52'53"E	3650.00'



REDUCTION IN CONSTRUCTION LIMITS

DISCLAIMER:
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DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

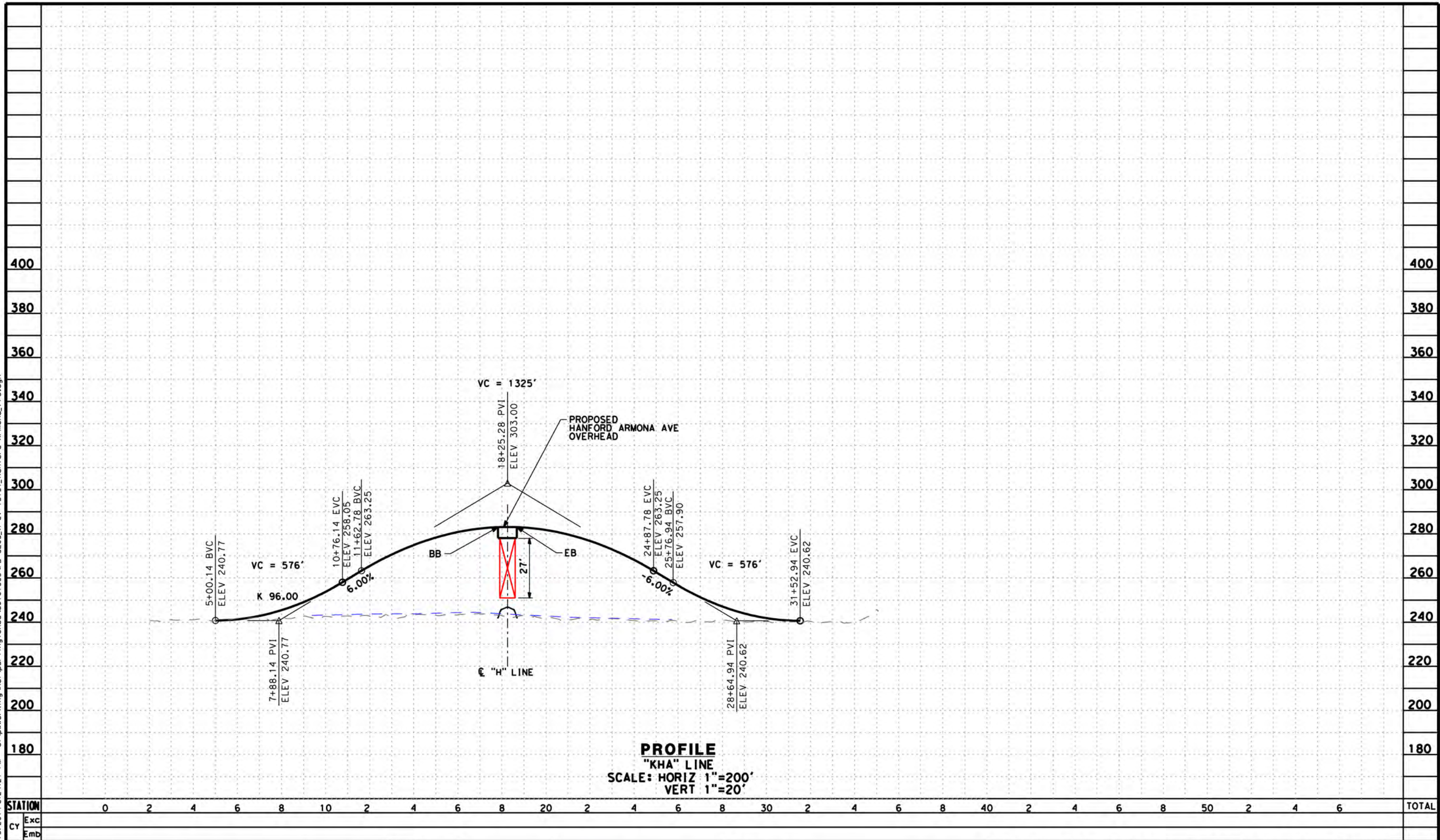
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HANFORD SUBSECTION
ALIGNMENT H
GRADE SEPARATION LAYOUT
HANFORD ARMONA AVE

CONTRACT NO.
HST 06-0003
DRAWING NO.
T3130
SCALE
AS SHOWN
SHEET NO.
- OF -

10/13/2014 8:24:21 PM c:\pwworking\ndi\portingtonsa\0167585\FB-SEG3_H-CV-T3131_Hanford-Armona_Pro.dgn



DISCLAIMER:
THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.

DESIGNED BY
B. KIDD
DRAWN BY
Z. ROOKHUYZEN
CHECKED BY
E. KARAM
IN CHARGE
R. TREVETT
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

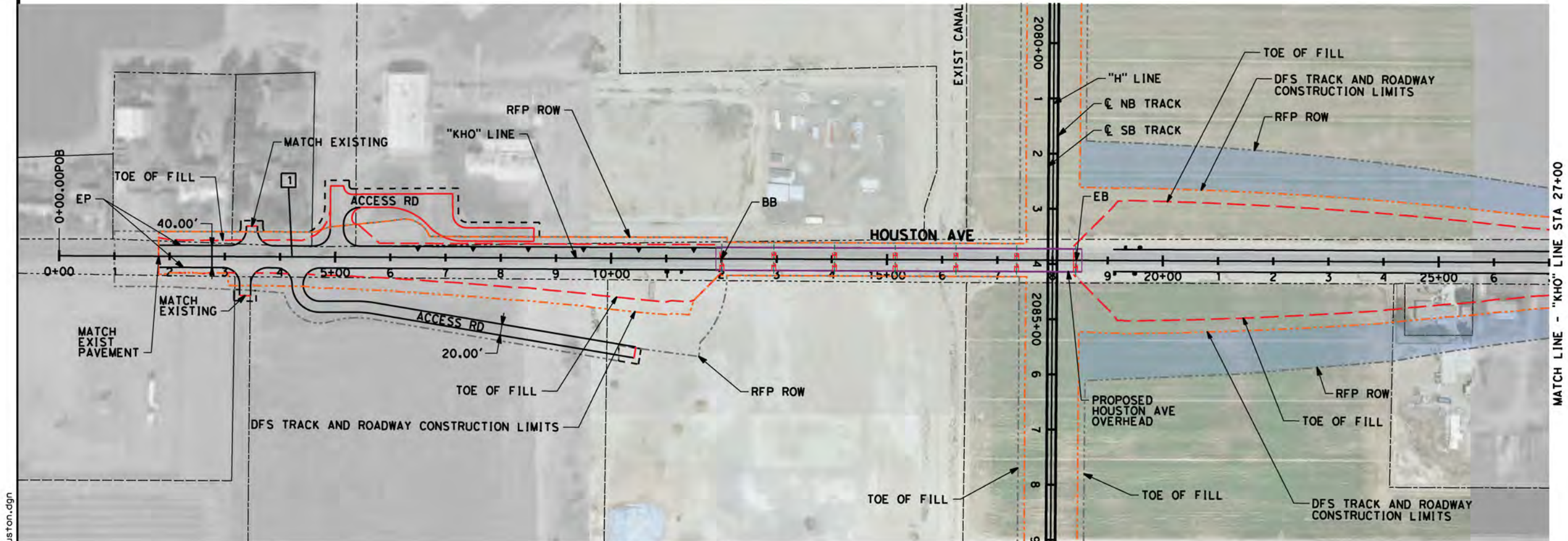
NOT FOR
CONSTRUCTION



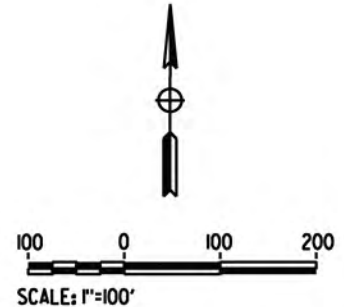
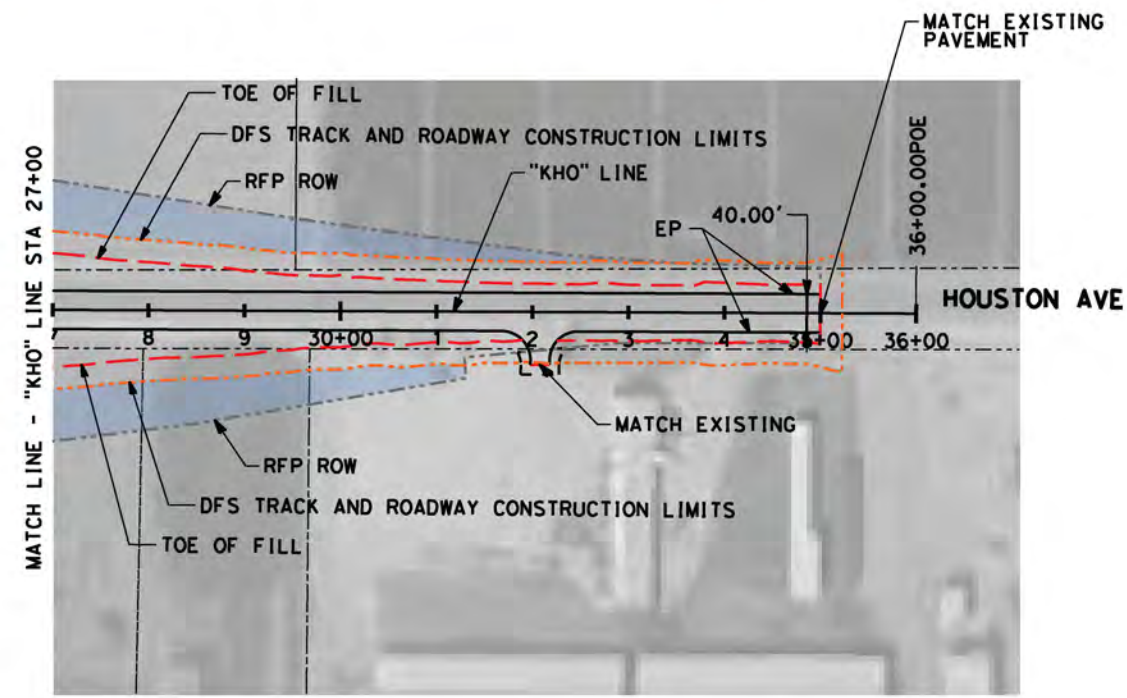
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
GRADE SEPARATION PROFILE
HANFORD ARMONA AVE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
T3131
SCALE
AS SHOWN
SHEET NO.
- OF -

c:\pwworking\ndi\partingtonsa\d0167585\FB-SEG3_H-CV-T3140_Houston.dgn 10/13/2014 8:24:48 PM



LINE DATA		
NO.	BEARING	DISTANCE
1	S89°51'12"E	3600.00'



REDUCTION IN CONSTRUCTION LIMITS

DISCLAIMER:
THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.

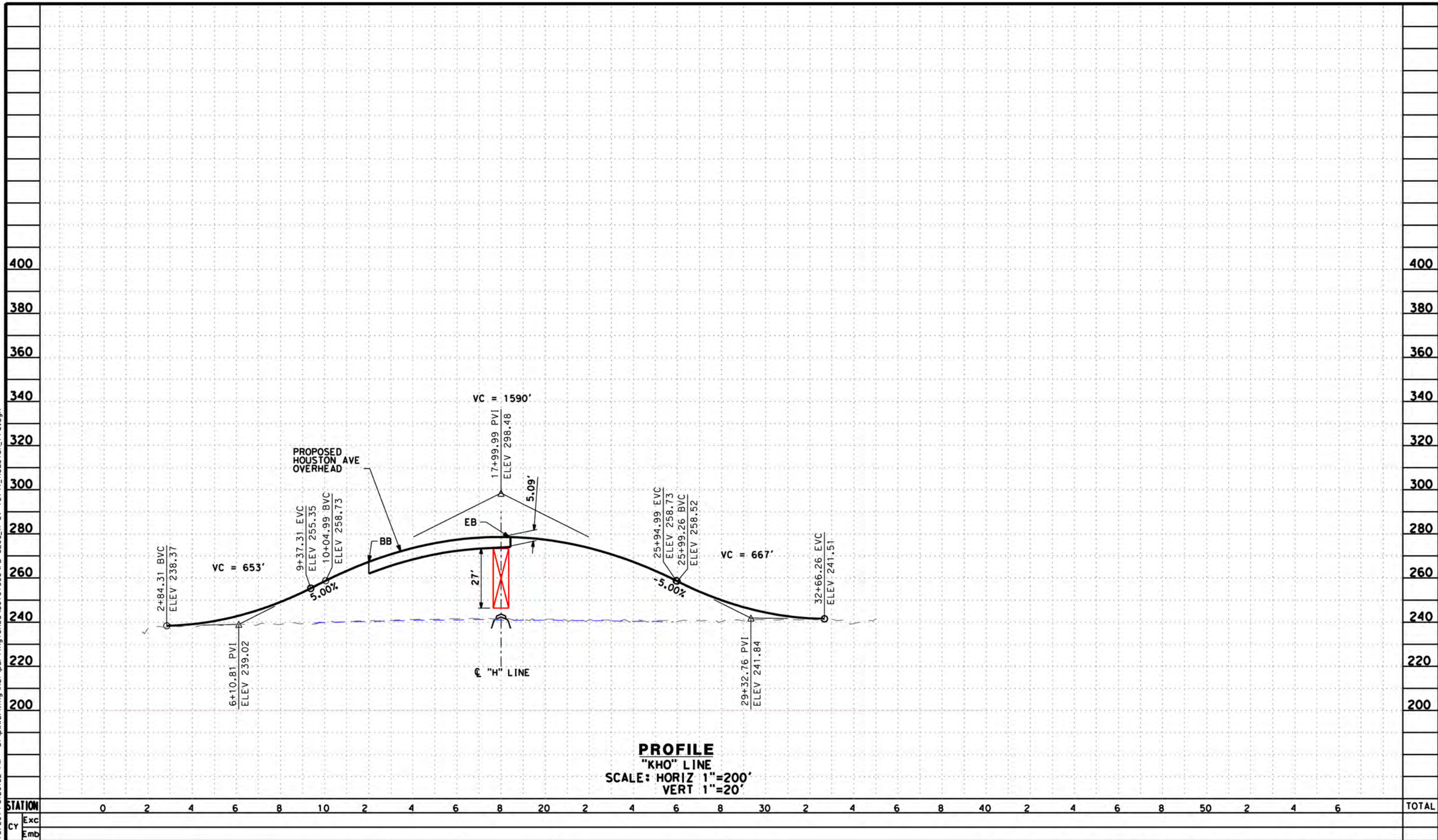
DESIGNED BY B. Kidd	RECORD SET 15% DESIGN SUBMISSION
DRAWN BY Z. Rookhuyzen	
CHECKED BY E. Karam	
IN CHARGE R. Trevett	
DATE 08/28/14	NOT FOR CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
GRADE SEPARATION LAYOUT
HOUSTON AVE

CONTRACT NO. HST 06-0003
DRAWING NO. T3140
SCALE AS SHOWN
SHEET NO. - OF -

c:\pwworking\ndi\portingtonsa\0167585\FB-SEG3_H-CV-T3141_Houston_Pro.dgn 10/13/2014 8:25:32 PM



PROFILE
"KHO" LINE
SCALE: HORIZ 1"=200'
VERT 1"=20'

DISCLAIMER:
THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.

DESIGNED BY
B. KIDD
DRAWN BY
Z. ROOKHUYZEN
CHECKED BY
E. KARAM
IN CHARGE
R. TREVETT
DATE
08/21/14

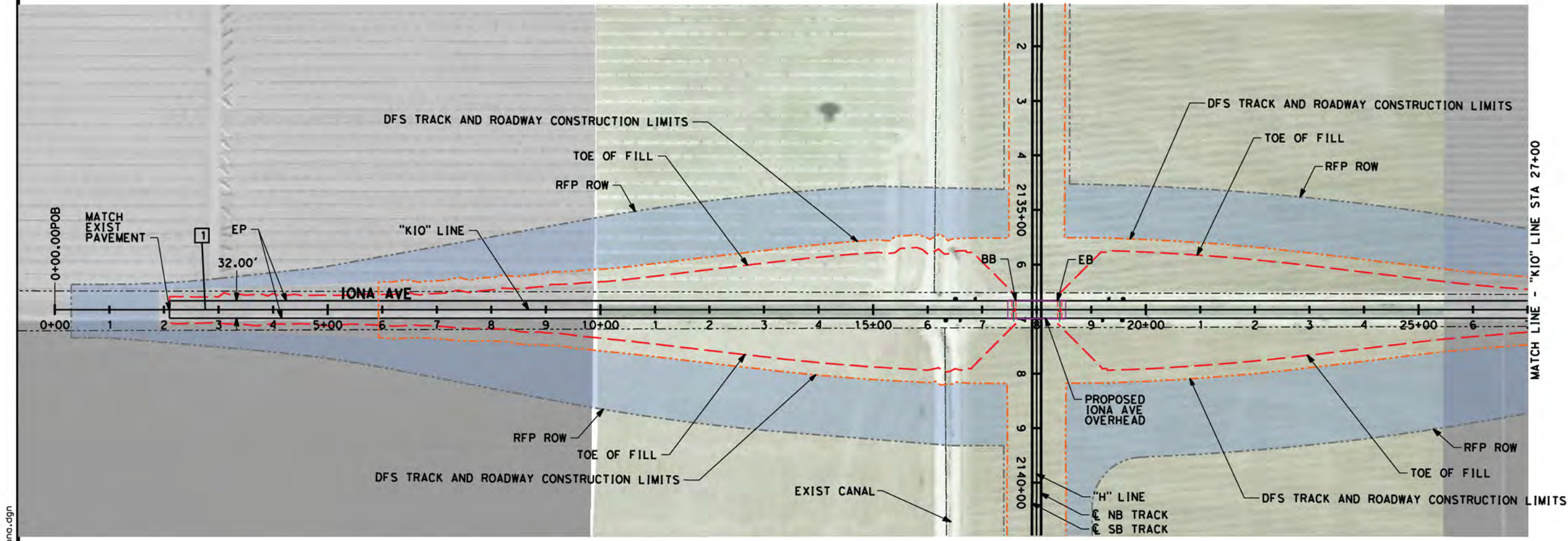
RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION



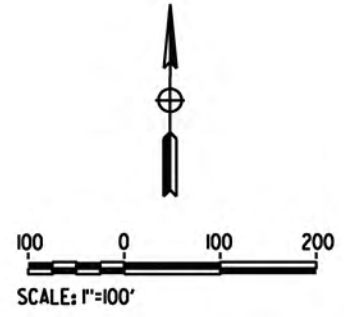
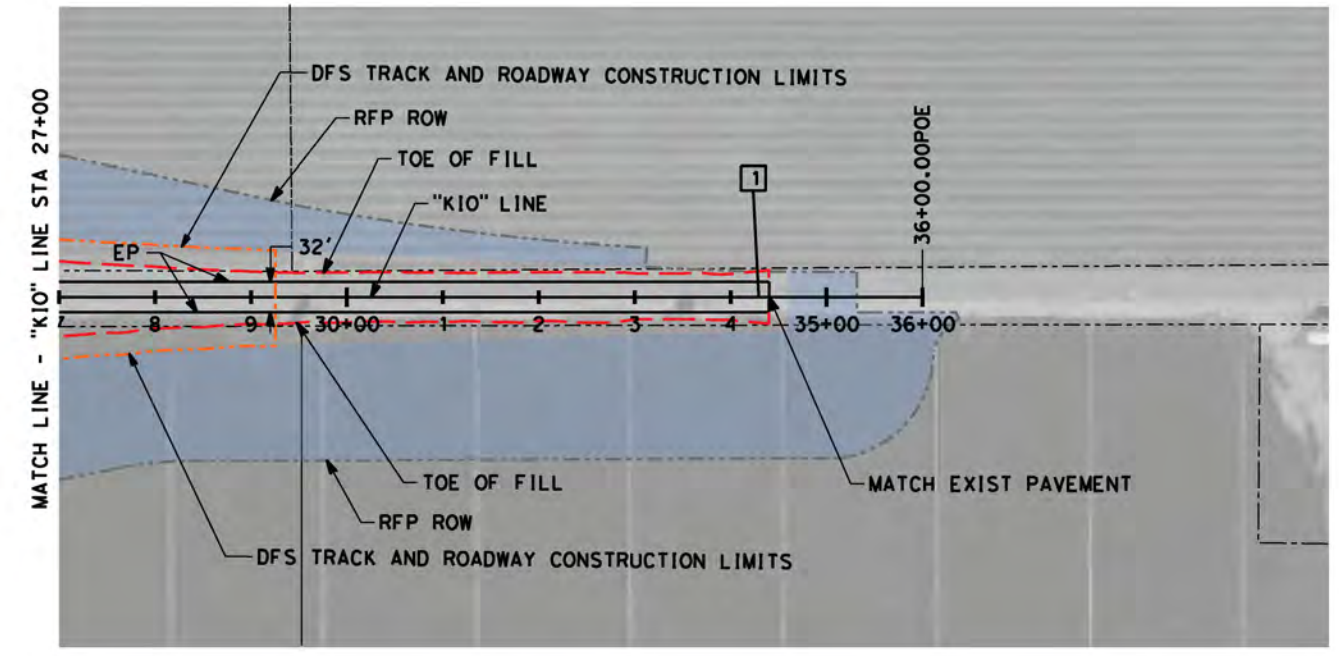
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HANFORD SUBSECTION
ALIGNMENT H
GRADE SEPARATION PROFILE
HOUSTON AVE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
T3141
SCALE
AS SHOWN
SHEET NO.
- OF -

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LINE DATA		
NO.	BEARING	DISTANCE
1	S89°45'10"E	3600.00'



REDUCTION IN CONSTRUCTION LIMITS

DISCLAIMER:
THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.

DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HANFORD SUBSECTION
ALIGNMENT H
GRADE SEPARATION LAYOUT
IONA AVE

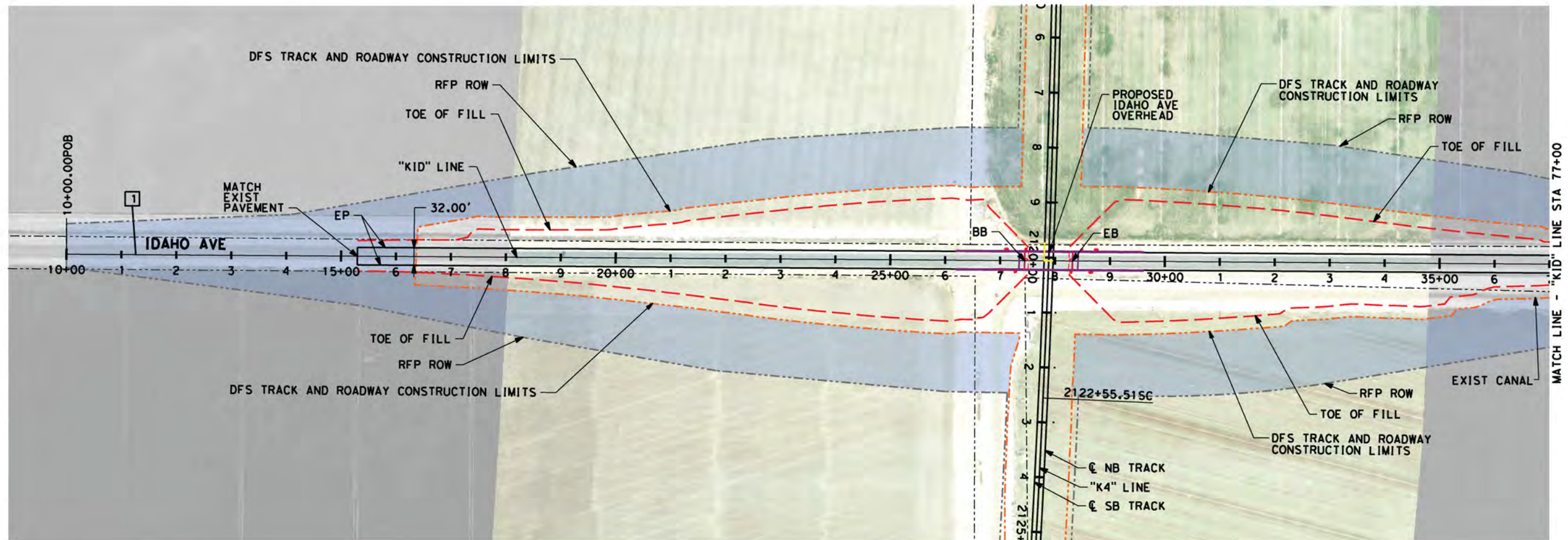
CONTRACT NO.
HST 06-0003
DRAWING NO.
T3150
SCALE
AS SHOWN
SHEET NO.
- OF -



STATION		0	2	4	6	8	10	2	4	6	8	20	2	4	6	8	30	2	4	6	8	40	2	4	6	8	50	2	4	6	TOTAL	
	CY	Exc																														
	Emb																															

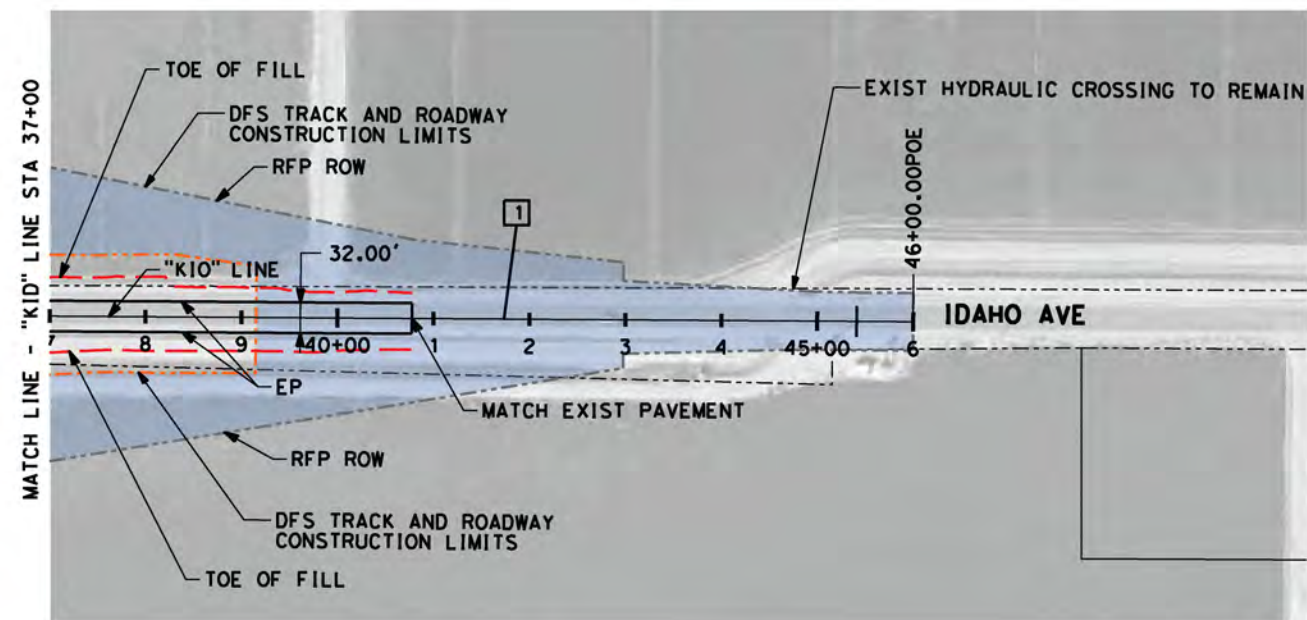
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DRAWING NO.	T3151
SCALE	AS SHOWN
SHEET NO.	- OF -

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LINE DATA

NO.	BEARING	DISTANCE
1	S 89°43'34" E	3600.00'



REDUCTION IN CONSTRUCTION LIMITS

DISCLAIMER:
THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.

DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION

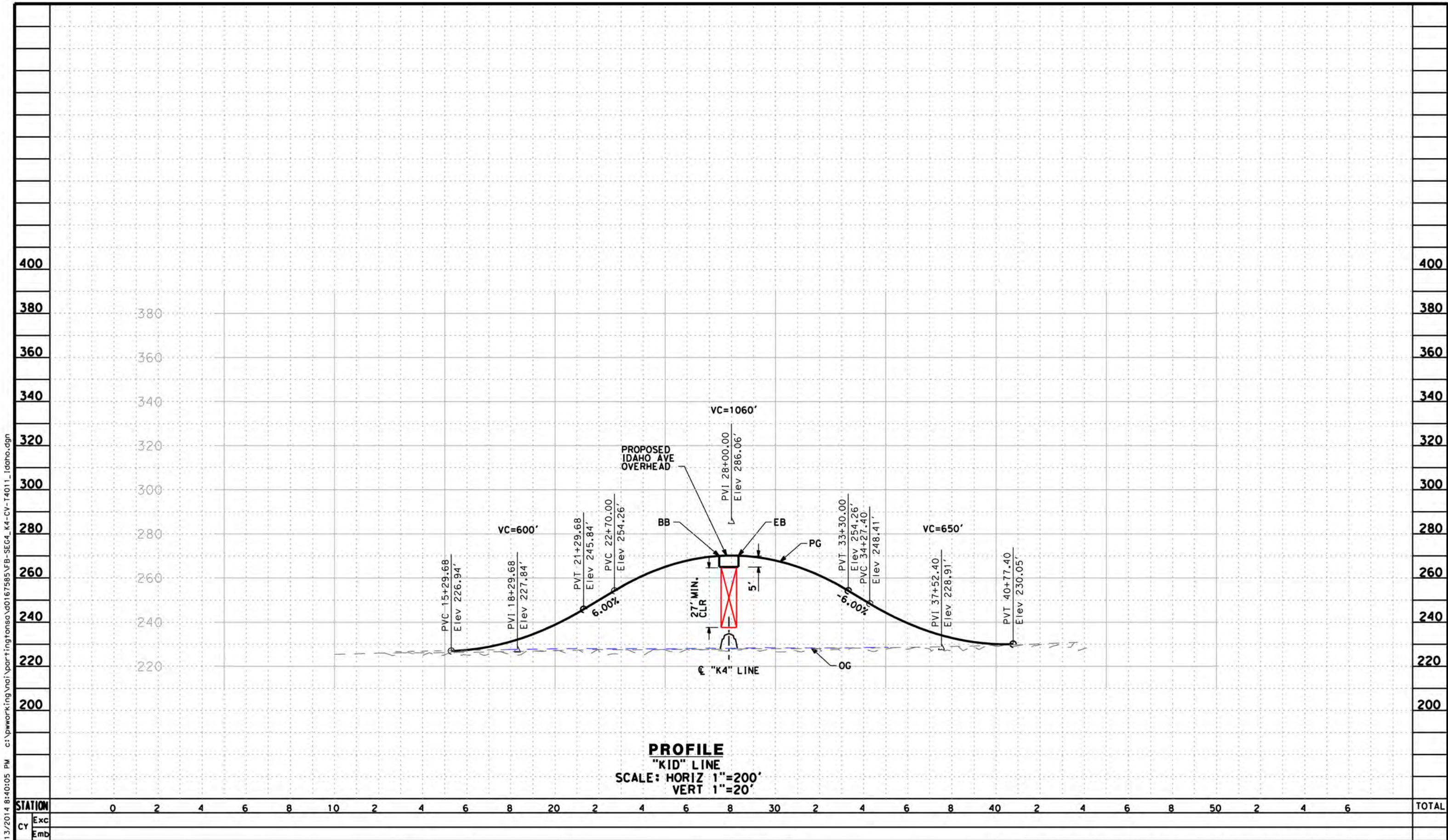


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

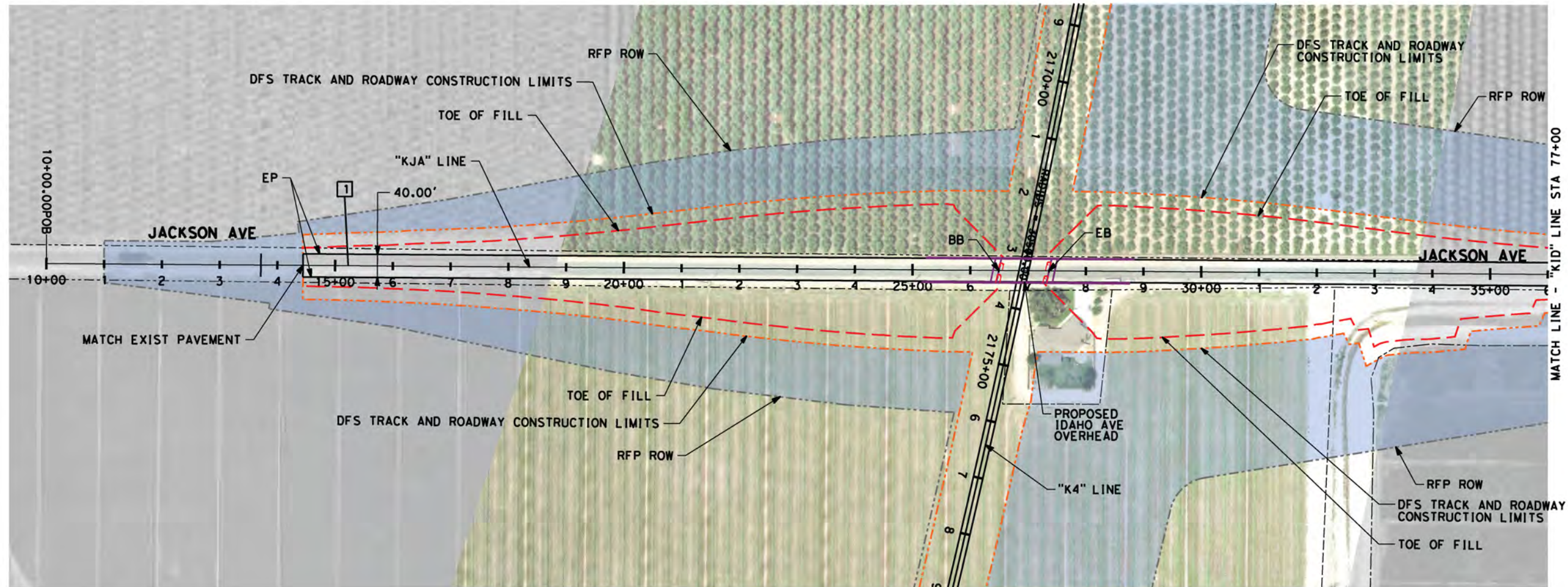
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
KAWEAH SUBSECTION
ALIGNMENT K4
GRADE SEPARATION LAYOUT
IDAHO AVE

CONTRACT NO.
HST 06-0003
DRAWING NO.
T4010
SCALE
AS SHOWN
SHEET NO.
- OF -

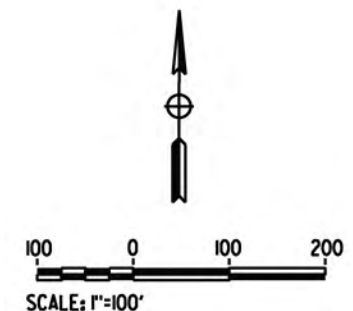
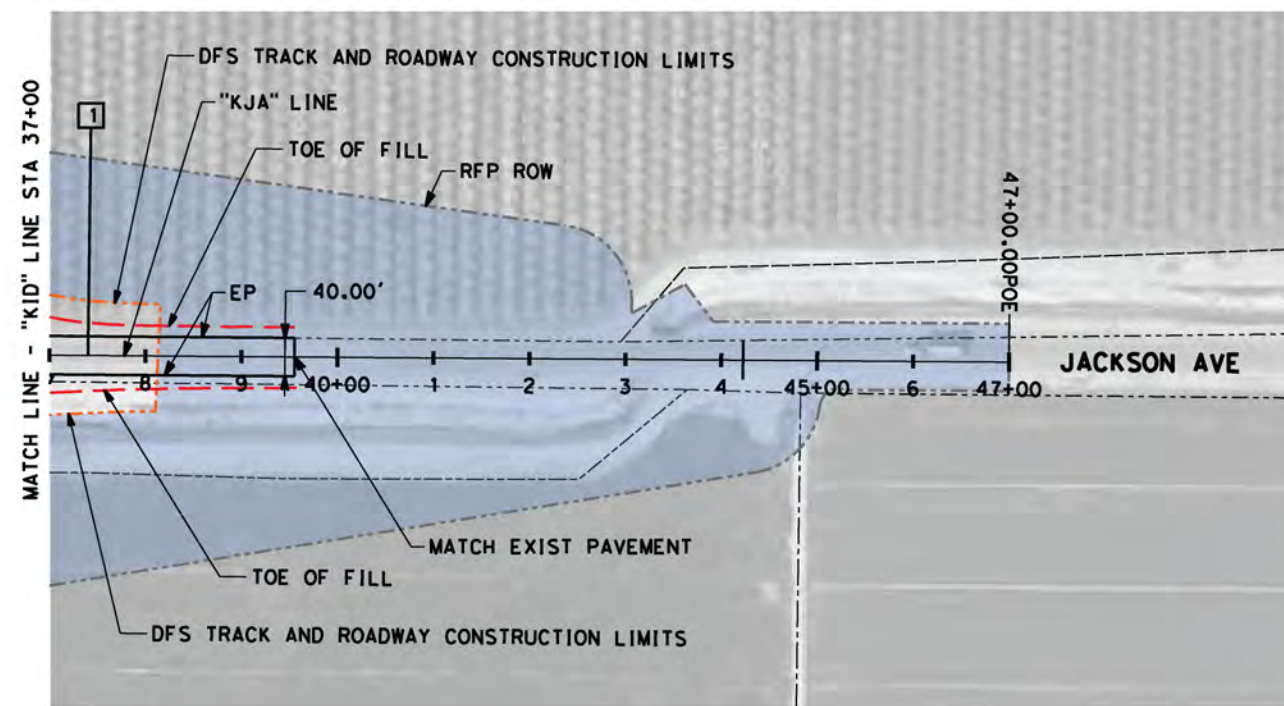
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DISCLAIMER: THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.	DESIGNED BY B. KIDD	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD KAWEAH SUBSECTION ALIGNMENT K4 GRADE SEPARATION PROFILE IDAHO AVE	CONTRACT NO. HSR 06-0003
	DRAWN BY Z. ROOKHUYZEN					DRAWING NO. T4011
	CHECKED BY E. KARAM					SCALE AS SHOWN
	IN CHARGE R. TREVETT					SHEET NO. - OF -
	DATE 7/2/14					



LINE DATA		
NO.	BEARING	DISTANCE
1	S 89°41'46" E	3700.00'



REDUCTION IN CONSTRUCTION LIMITS

DISCLAIMER:
THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.

DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

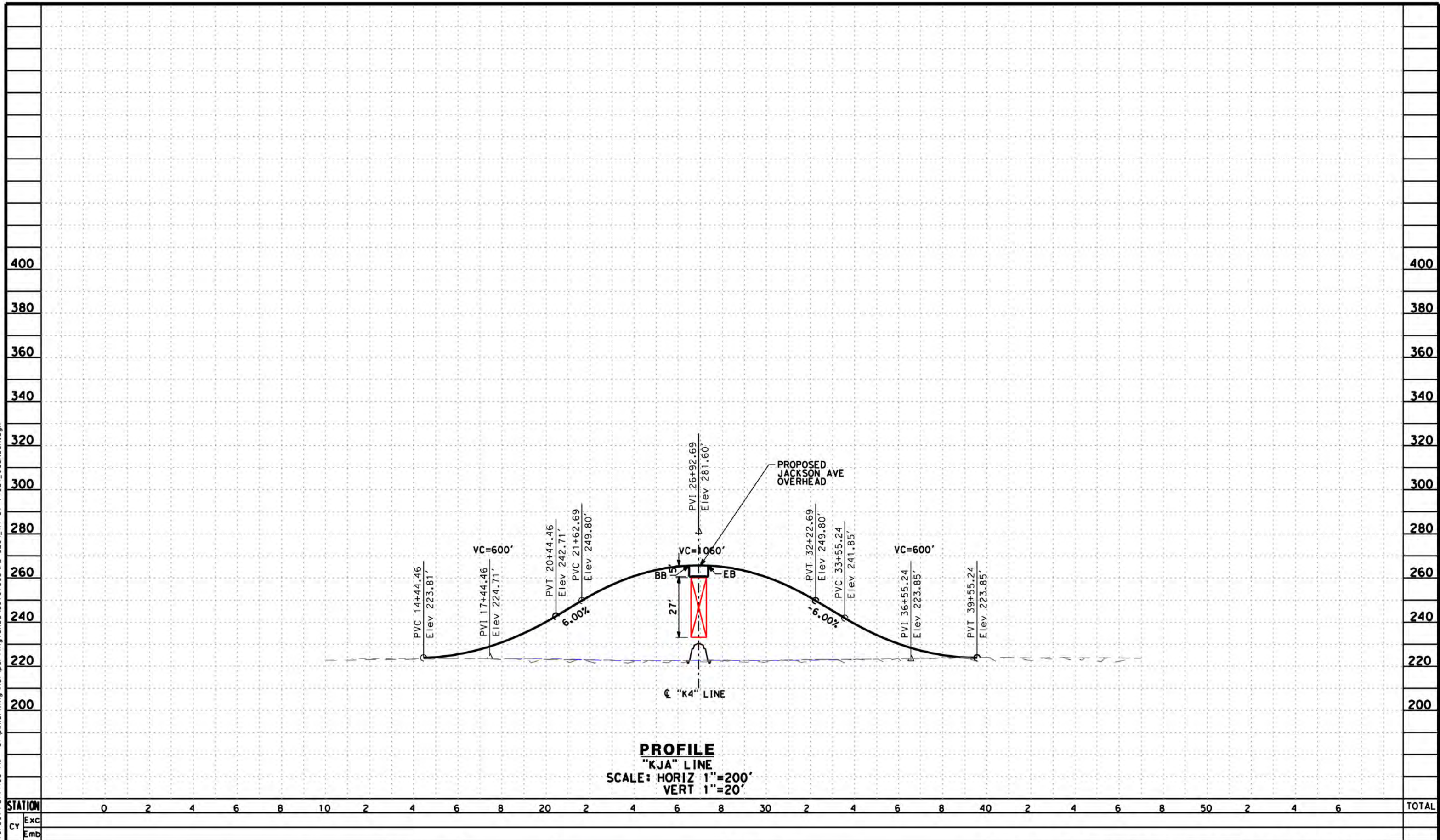
NOT FOR
CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KAWEAH SUBSECTION
ALIGNMENT K4
GRADE SEPARATION LAYOUT
JACKSON AVE

CONTRACT NO.
HST 06-0003
DRAWING NO.
T4020
SCALE
AS SHOWN
SHEET NO.
- OF -

10/13/2014 8:41:08 PM c:\pwworking\ndi\portingtonsa\0167585\FB-SEG4_K4-CV-T4021_Jackson.dgn



DISCLAIMER:
THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.

DESIGNED BY
B. KIDD
DRAWN BY
Z. ROOKHUYZEN
CHECKED BY
E. KARAM
IN CHARGE
R. TREVETT
DATE
7/2/14

RECORD SET 15%
DESIGN SUBMISSION

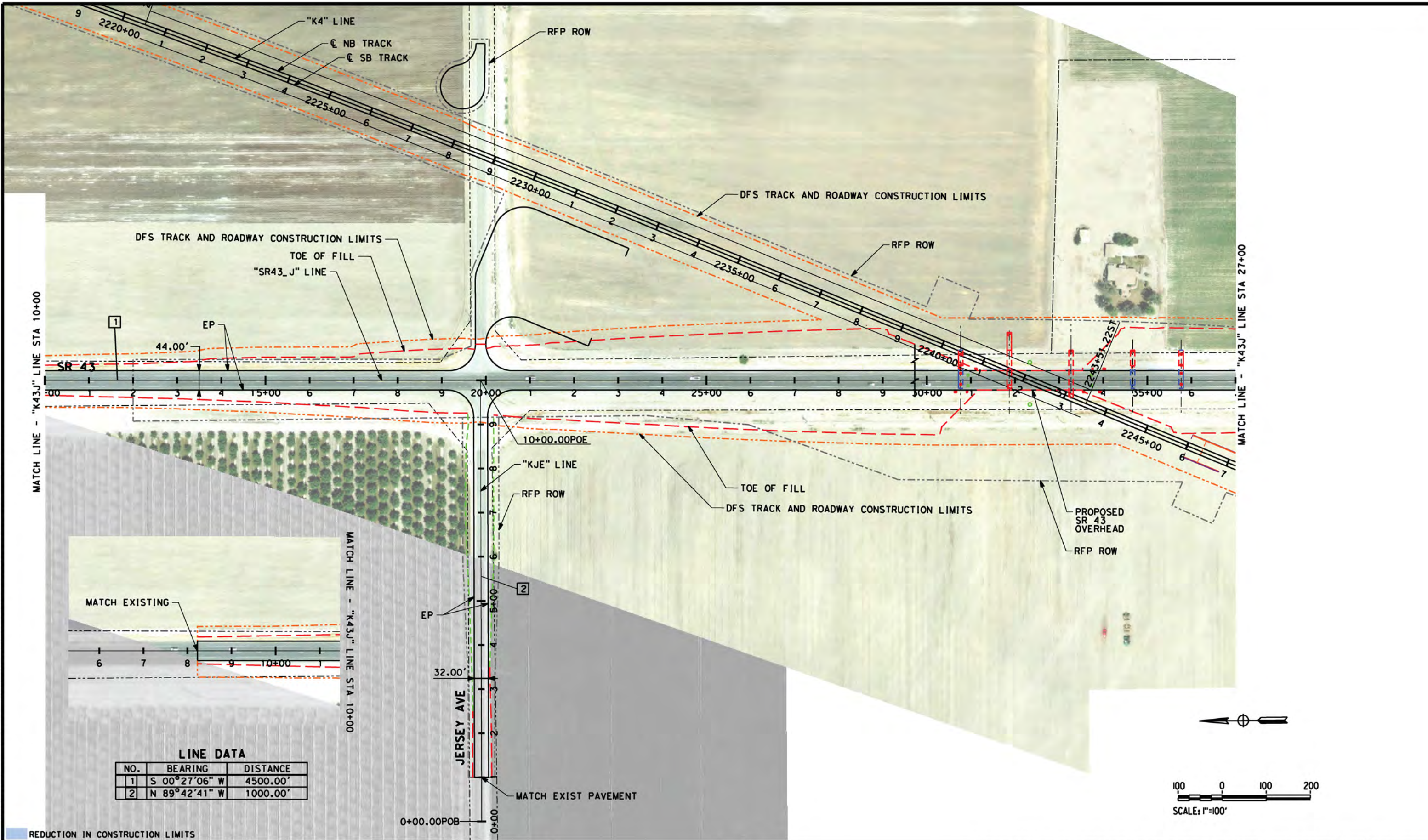
NOT FOR
CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KAWEAH SUBSECTION
ALIGNMENT K4
GRADE SEPARATION PROFILE
JACKSON AVE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
T4021
SCALE
AS SHOWN
SHEET NO.
- OF -

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MATCH EXISTING

LINE DATA

NO.	BEARING	DISTANCE
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2	N 89°42'41" W	1000.00'

REDUCTION IN CONSTRUCTION LIMITS

DISCLAIMER:
THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.

DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

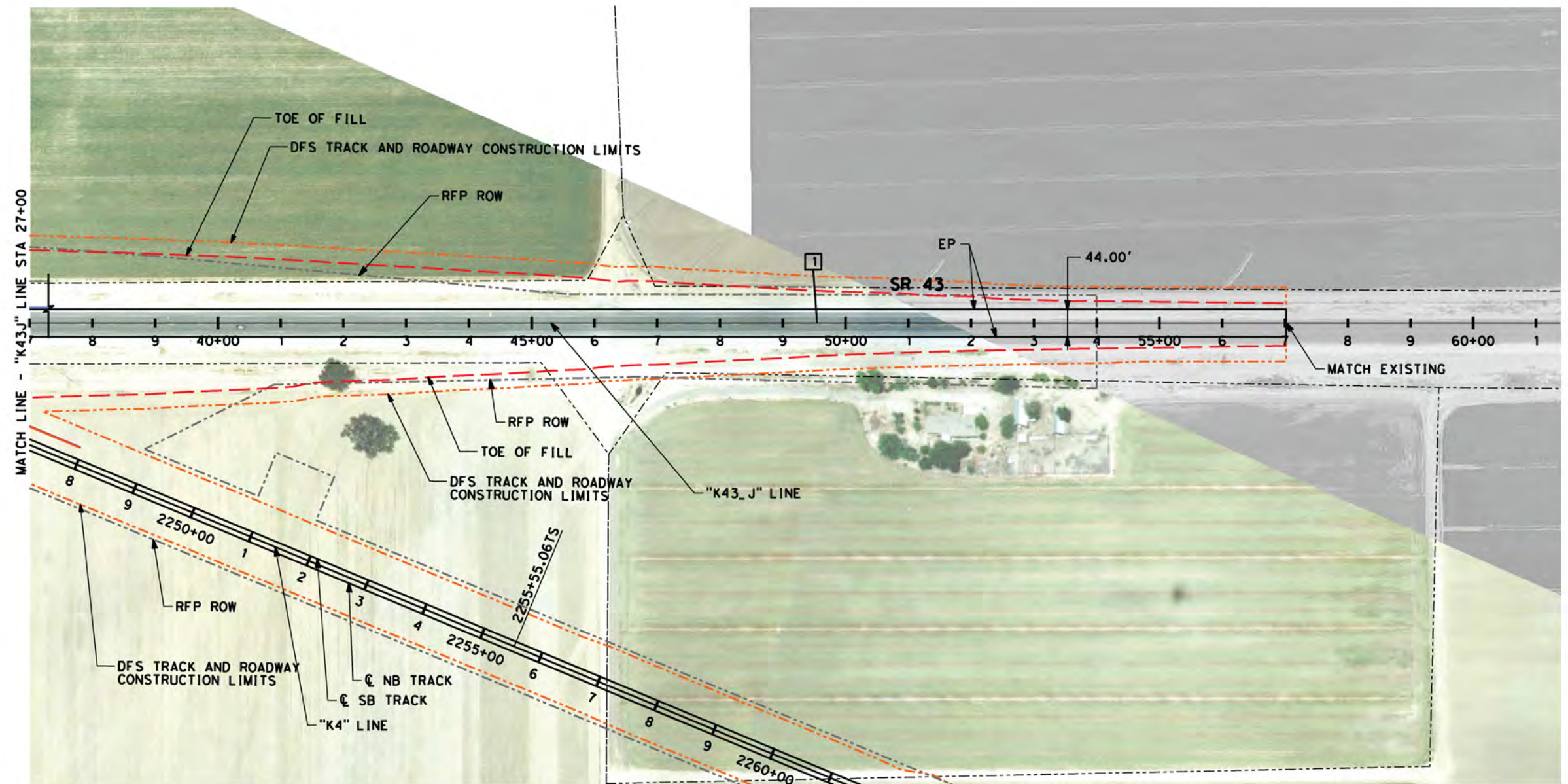
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
KAWEAH SUBSECTION
ALIGNMENT K4
GRADE SEPARATION LAYOUT
SR 43 AND JERSEY AVE

CONTRACT NO.
HST 06-0003
DRAWING NO.
T4030
SCALE
AS SHOWN
SHEET NO.
- OF -

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LINE DATA

NO.	BEARING	DISTANCE
1	S 00°27'06" W	4500.00'

REDUCTION IN CONSTRUCTION LIMITS

DISCLAIMER:
THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.

DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

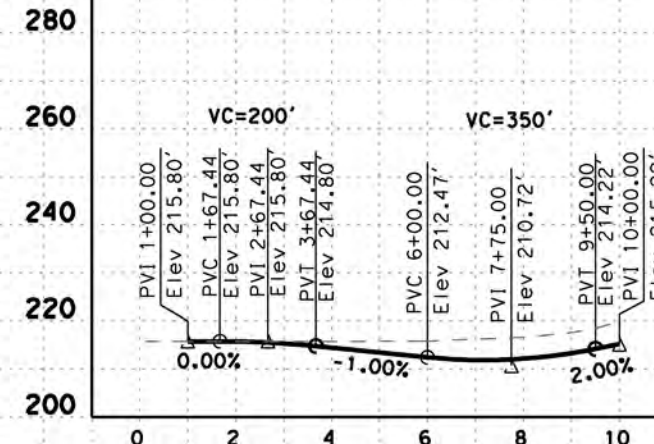
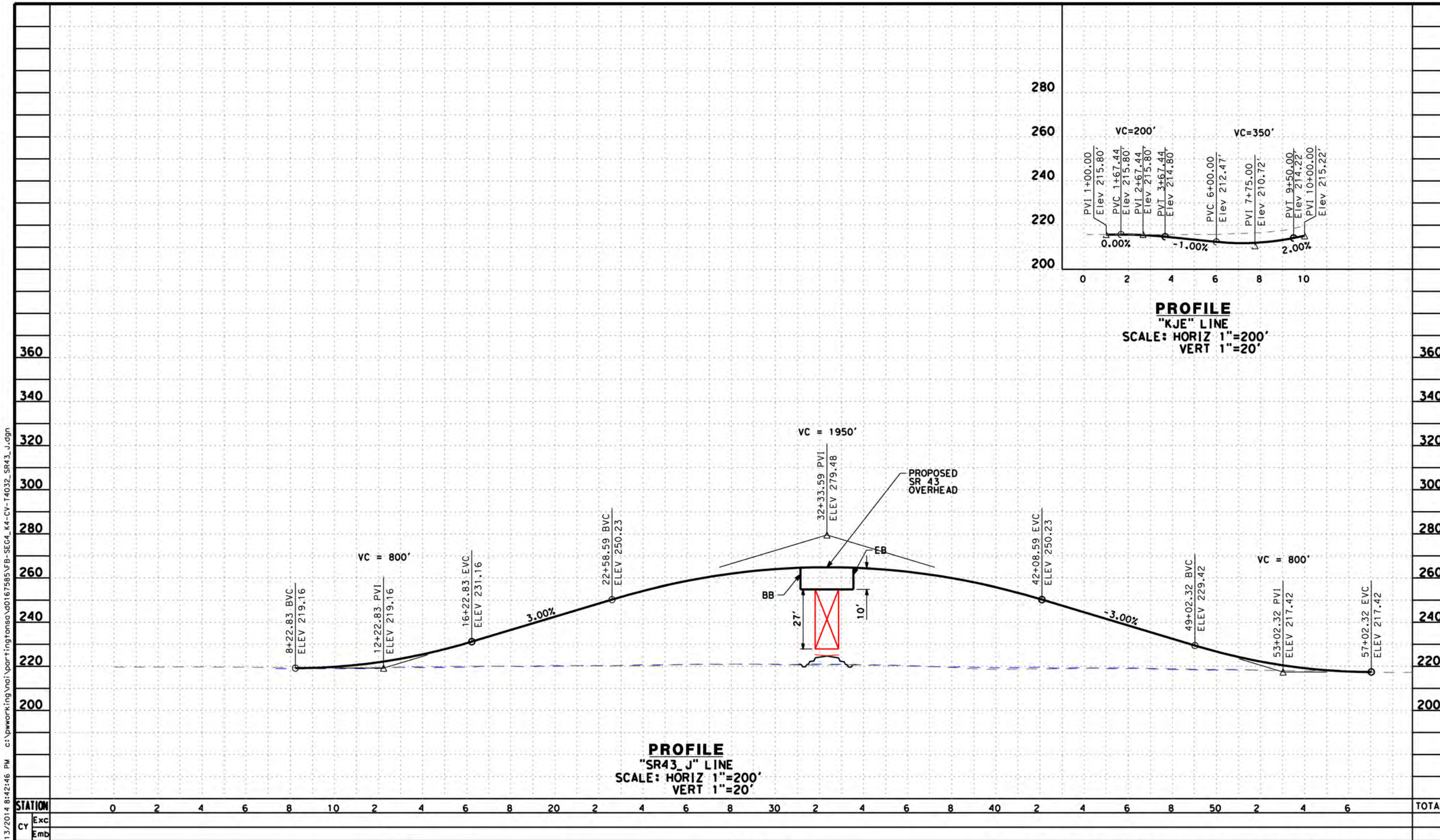


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

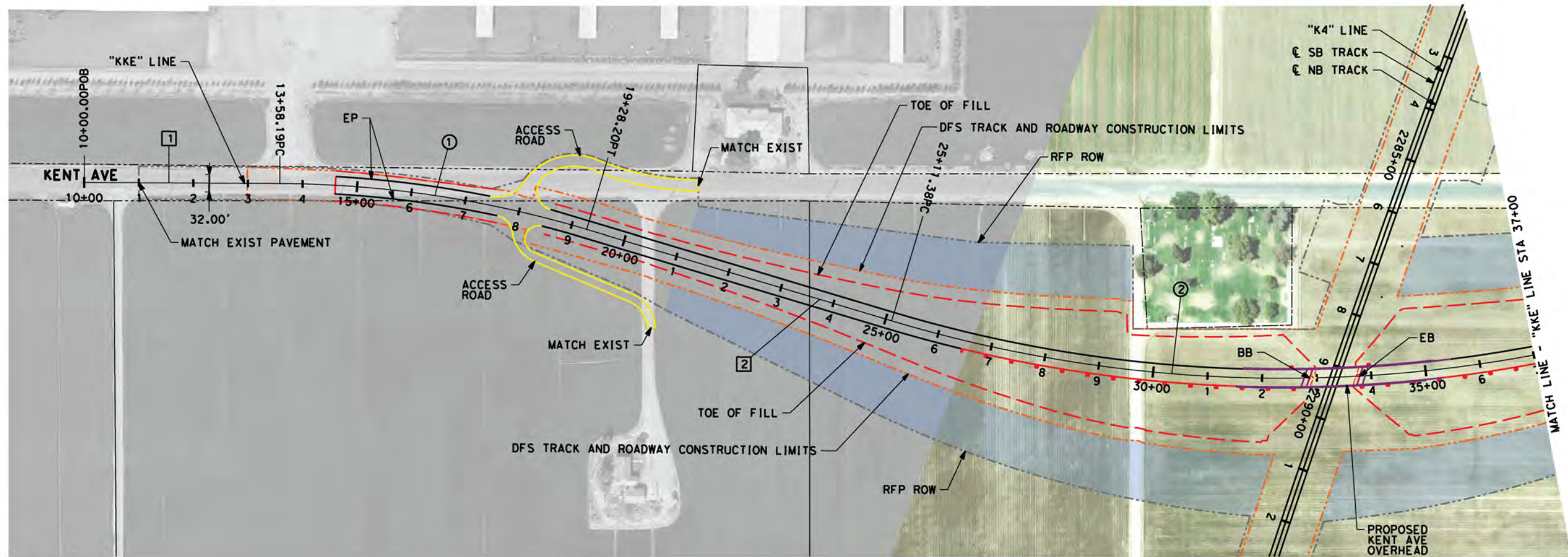
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
KAWEAH SUBSECTION
ALIGNMENT K4
GRADE SEPARATION LAYOUT
STATE ROUTE 43

CONTRACT NO.
HST 06-0003
DRAWING NO.
T4031
SCALE
AS SHOWN
SHEET NO.
- OF -

10/13/2014 8:42:46 PM c:\pwworking\ndi\portingtonsa\0167585\FB-SEG4_K4-CV-T4032_SR43_J.dgn



DISCLAIMER: THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.	DESIGNED BY B. KIDD	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD KAWEAH SUBSECTION ALIGNMENT K4 GRADE SEPARATION PROFILE STATE ROUTE 43 AND JERSEY AVE	CONTRACT NO. HSR 06-0003
	DRAWN BY Z. ROOKHUYZEN					DRAWING NO. T4032
	CHECKED BY E. KARAM					SCALE AS SHOWN
	IN CHARGE R. TREVETT					SHEET NO.
	DATE 7/2/14					- OF -

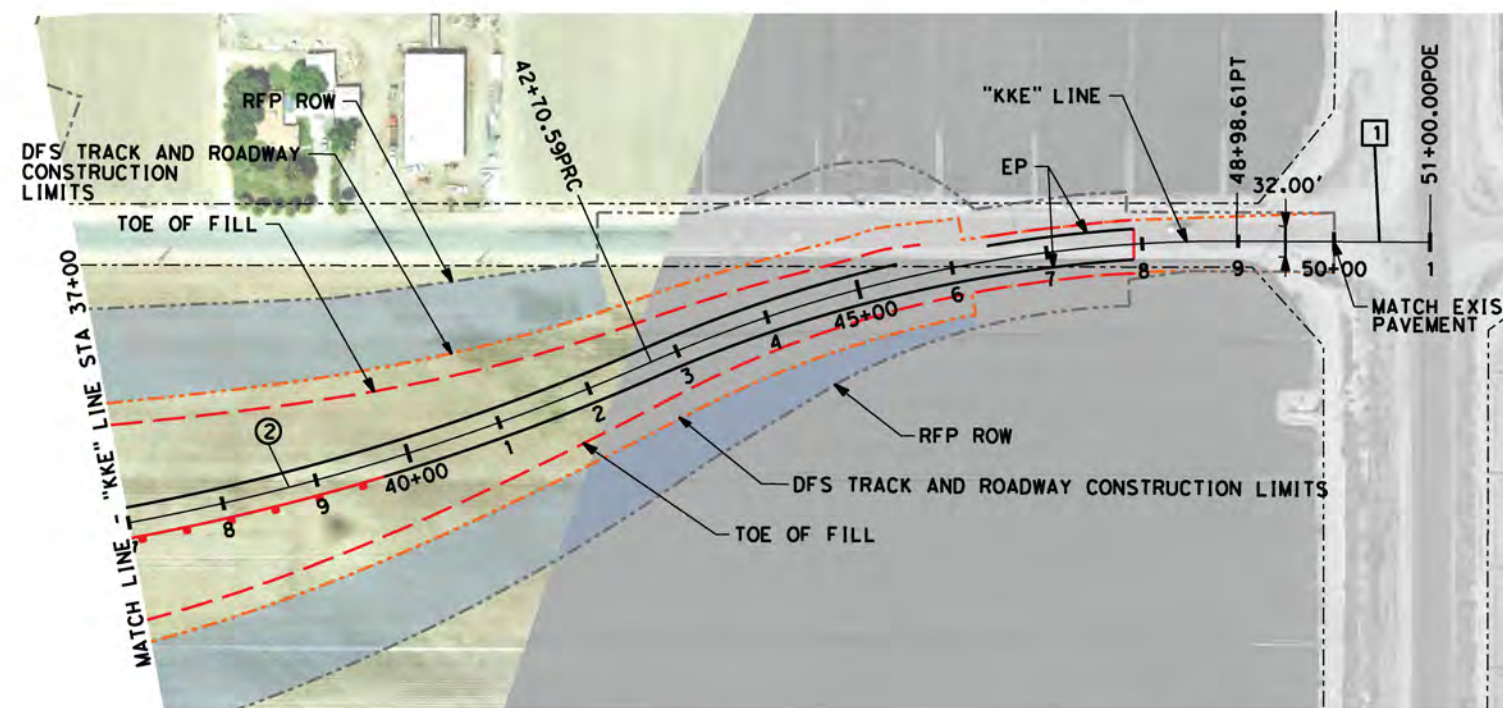


LINE DATA

NO.	BEARING	DISTANCE
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2	S 73°26'35" E	583.18'

CURVE DATA

NO.	R	Δ	T	L
①	2000.00'	16°19'46"	286.95'	570.01'
②	2500.00'	40°19'05"	917.79'	1759.21'



REDUCTION IN CONSTRUCTION LIMITS

DISCLAIMER:
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DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

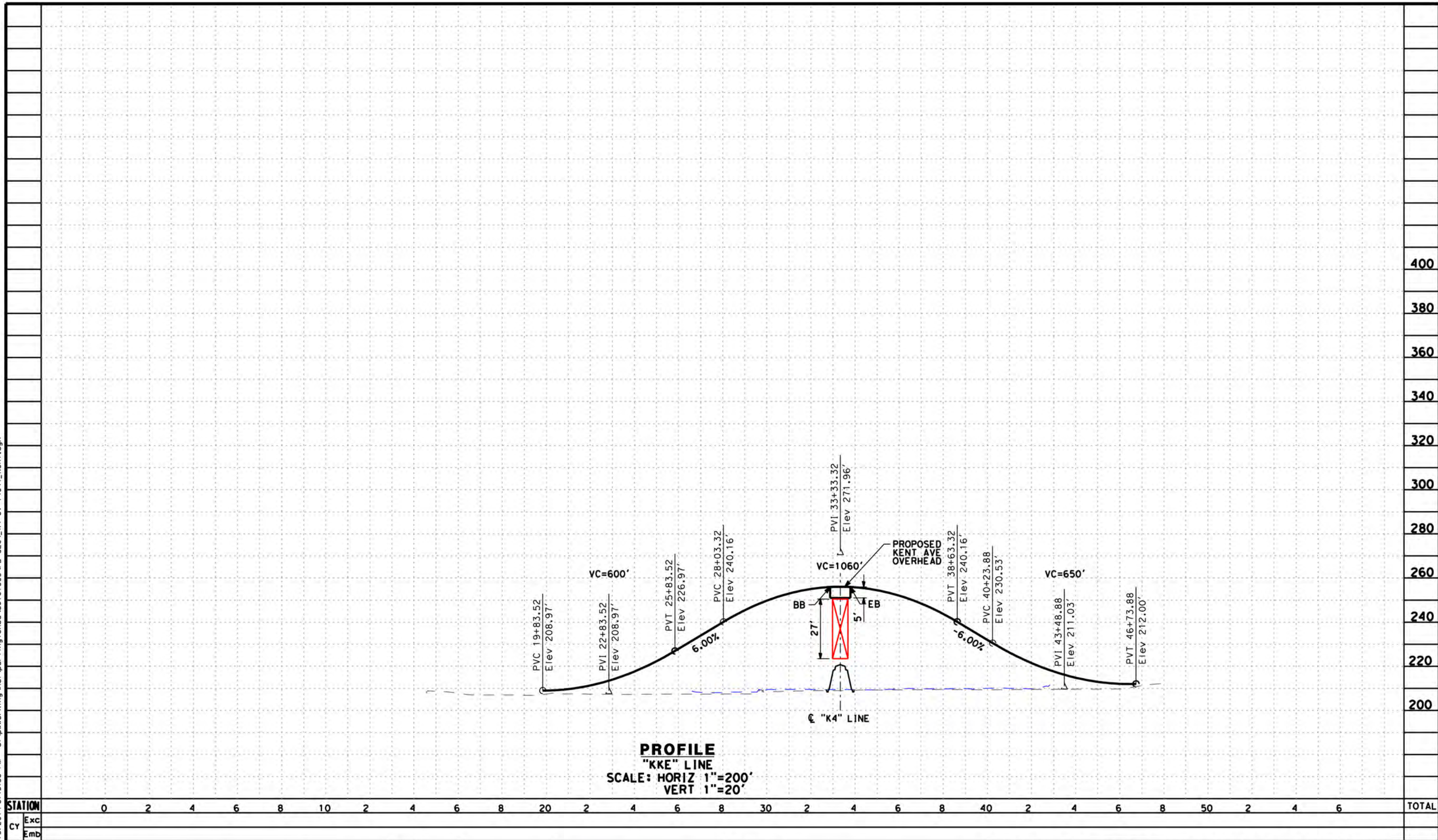


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KAWEAH SUBSECTION
ALIGNMENT K4
GRADE SEPARATION LAYOUT
KENT AVE

CONTRACT NO.
HST 06-0003
DRAWING NO.
T4040
SCALE
AS SHOWN
SHEET NO.
- OF -

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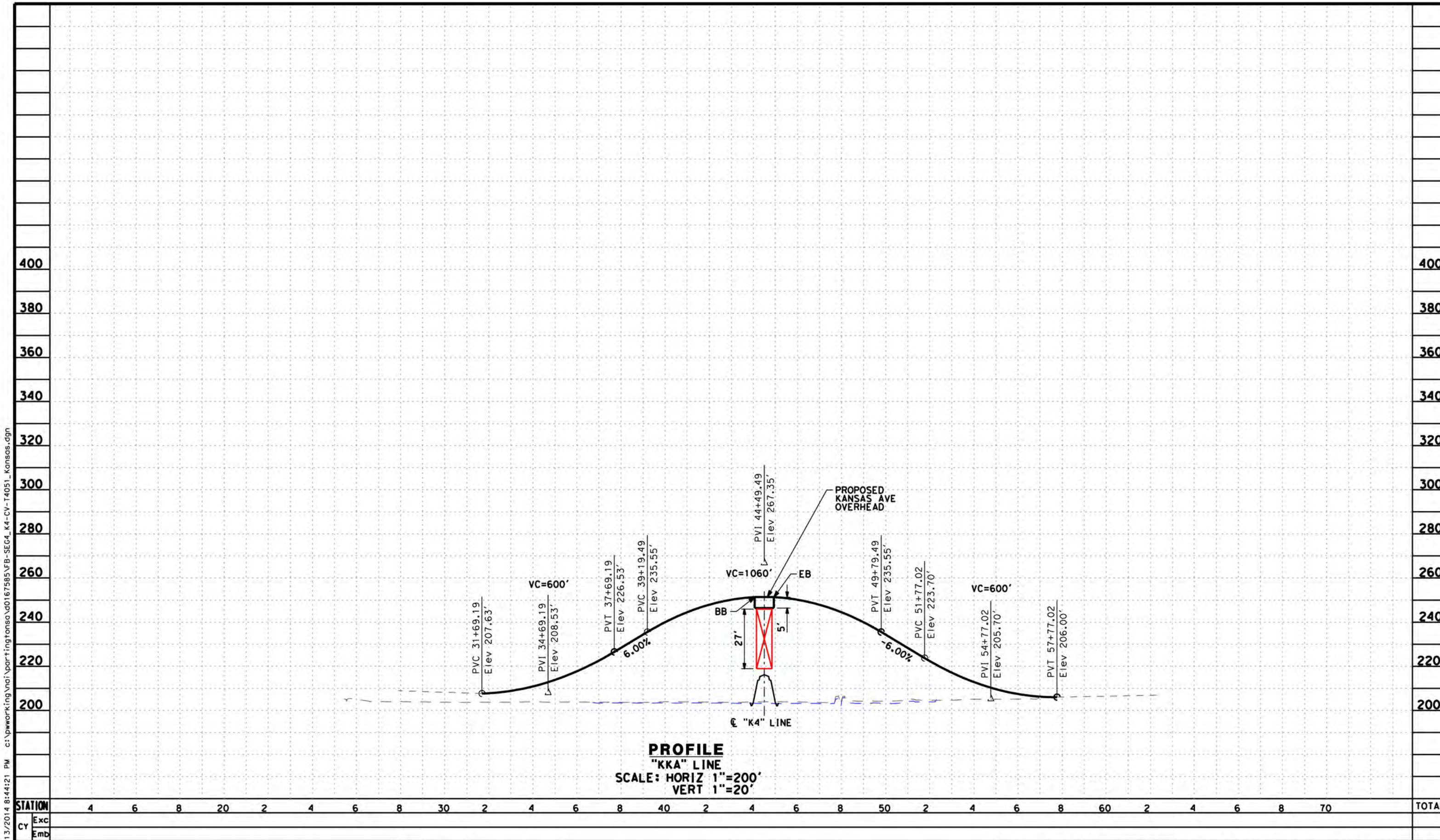


PROFILE
"KKE" LINE
SCALE: HORIZ 1"=200'
VERT 1"=20'

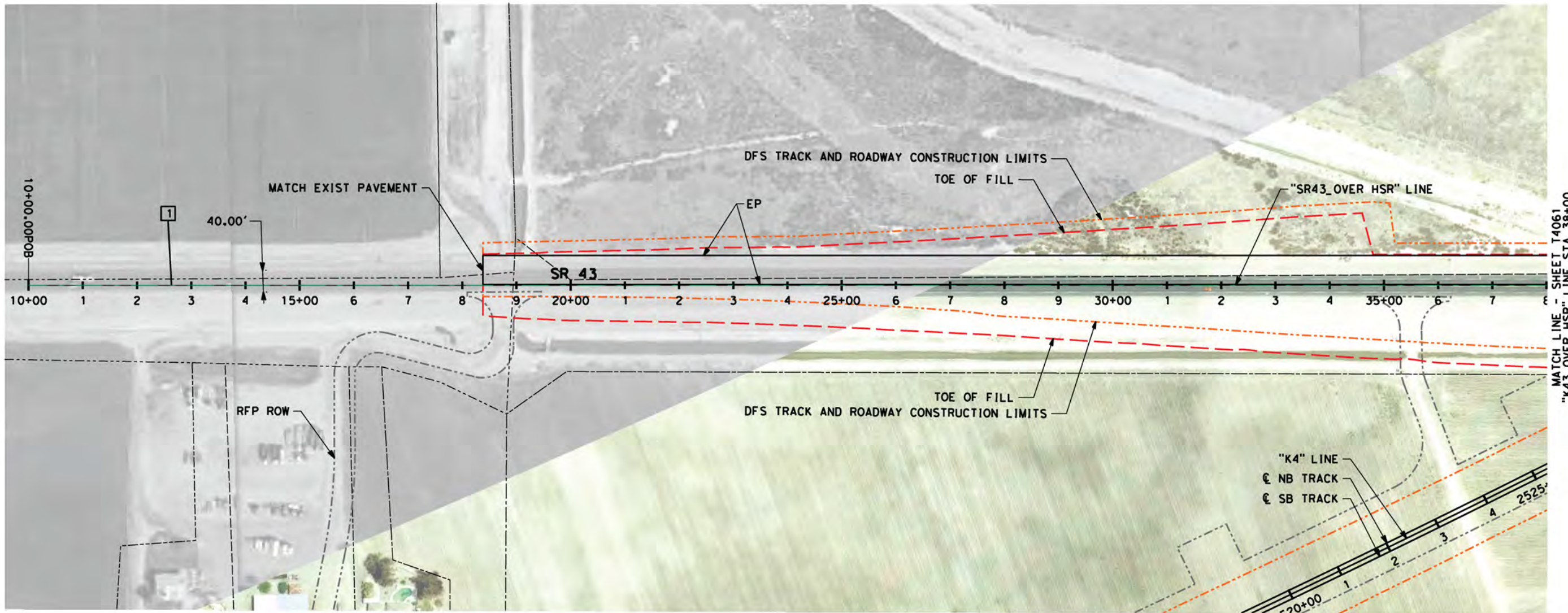
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CY	Exc																														
	Emb																														

DISCLAIMER: THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.		DESIGNED BY B. KIDD DRAWN BY Z. ROOKHUYZEN CHECKED BY E. KARAM IN CHARGE R. TREVETT DATE 7/2/14	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION		 CALIFORNIA HIGH-SPEED RAIL AUTHORITY	CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD KAWEAH SUBSECTION ALIGNMENT K4 GRADE SEPARATION PROFILE KENT AVE	CONTRACT NO. HSR 06-0003 DRAWING NO. T4041 SCALE AS SHOWN SHEET NO. - OF -
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10/13/2014 8:44:21 PM c:\pwworking\ndi\portingtonsa\0167585\FB-SEG4_K4-CV-T4051_Kansas.dgn

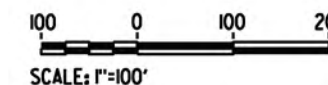


10 porting tons	DISCLAIMER: THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.		DESIGNED BY B. KIDD		RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION		 <i>CALIFORNIA</i> HIGH-SPEED RAIL AUTHORITY	CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD KAWEAH SUBSECTION ALIGNMENT K4 GRADE SEPARATION PROFILE KANSAS AVE			CONTRACT NO. HSR 06-000	
			DRAWN BY Z. ROOKHUYZEN					DRAWING NO. T4051				
			CHECKED BY E. KARAM					SCALE AS SHOWN				
			IN CHARGE R. TREVETT					SHEET NO. - OF -				
			DATE 08/28/14									



LINE DATA

NO.	BEARING	DISTANCE
1	S 01°08'41" W	3326.66'



REDUCTION IN CONSTRUCTION LIMITS

DISCLAIMER:
THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.

DESIGNED BY
B. Kidd
DRAWN BY
S. Partington
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
06/30/14

RECORD SET 15%
DESIGN SUBMISSION

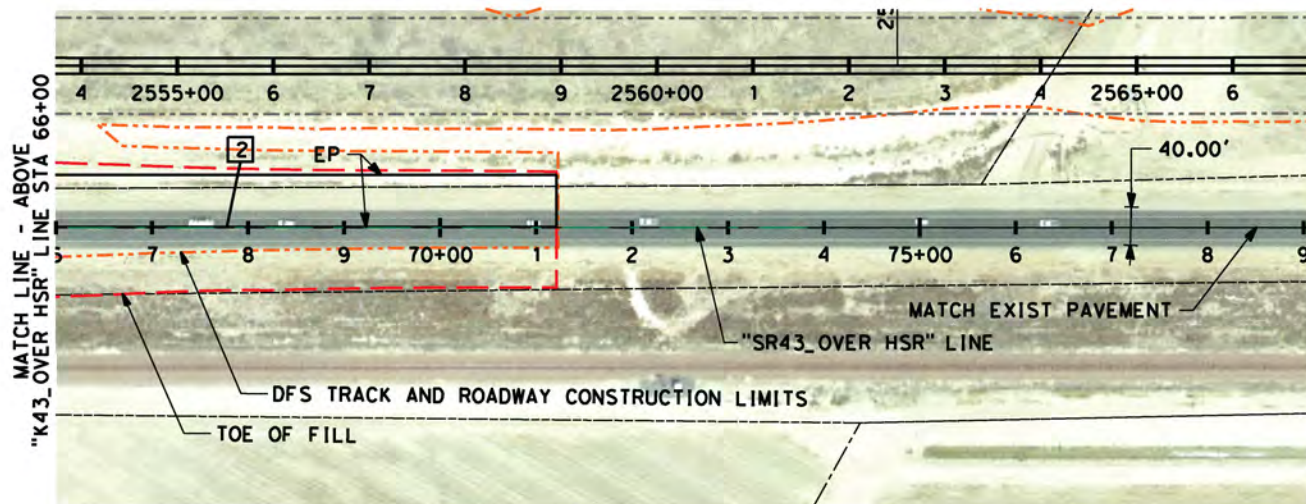
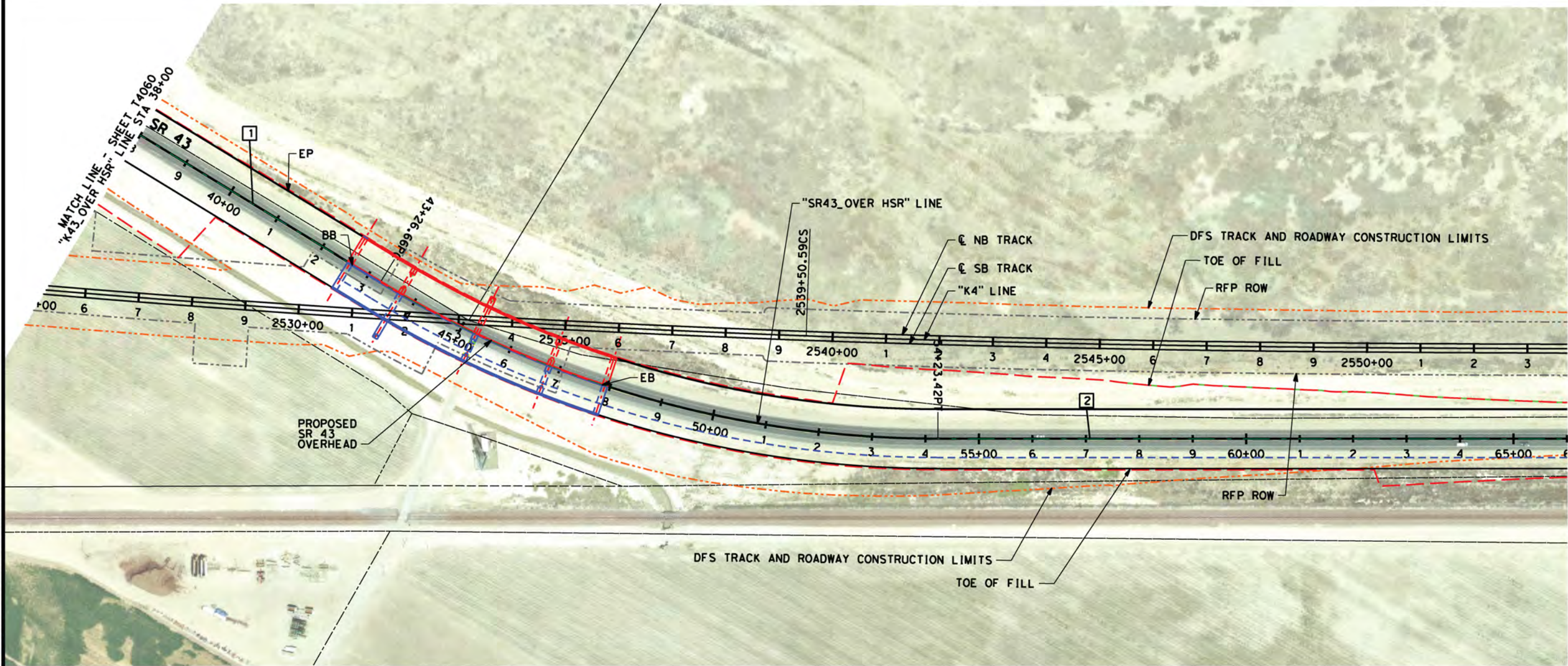
NOT FOR
CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KAWEAH SUBSECTION
ALIGNMENT K4
GRADE SEPARATION LAYOUT
STATE ROUTE 43 OVER HSR

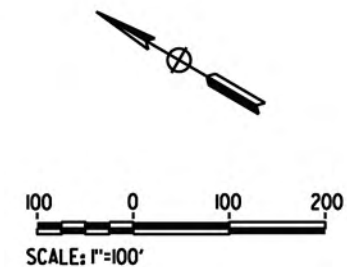
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HST 06-0003
DRAWING NO.
T4060
SCALE
AS SHOWN
SHEET NO.
- OF -

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LINE DATA		
NO.	BEARING	DISTANCE
1	S 01°08'41" W	3326.66'
2	S 30°16'31" E	2507.37'

CURVE DATA				
NO.	R	Δ	T	L
(1)	2000.00'	31°25'12"	562.55'	1096.77'



REDUCTION IN CONSTRUCTION LIMITS

DISCLAIMER:
THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.

DESIGNED BY
B. Kidd
DRAWN BY
S. Portington
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
09/02/14

RECORD SET 15%
DESIGN SUBMISSION

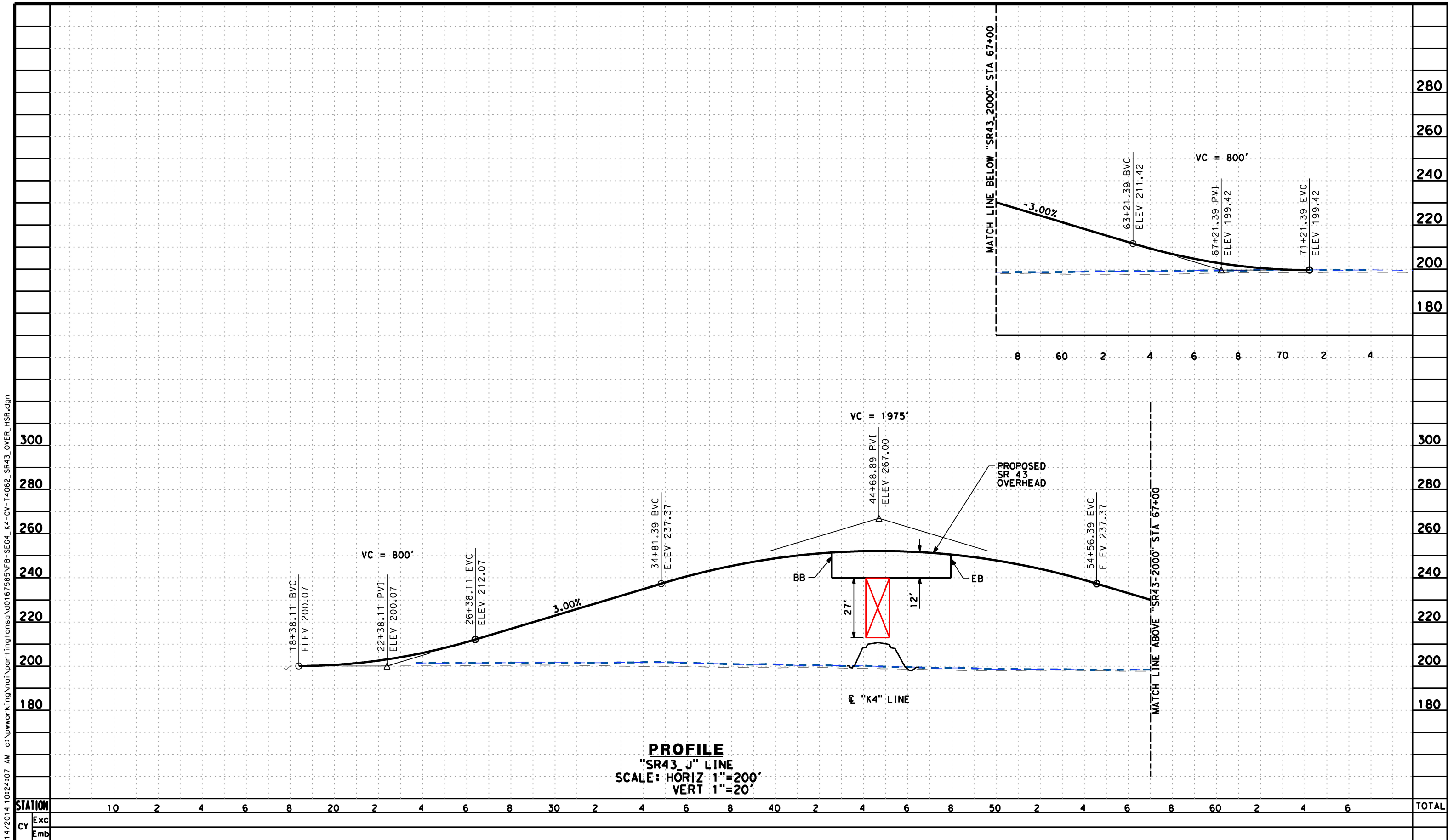
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
KAWEAH SUBSECTION
ALIGNMENT K4
GRADE SEPARATION LAYOUT
STATE ROUTE 43 OVER HSR

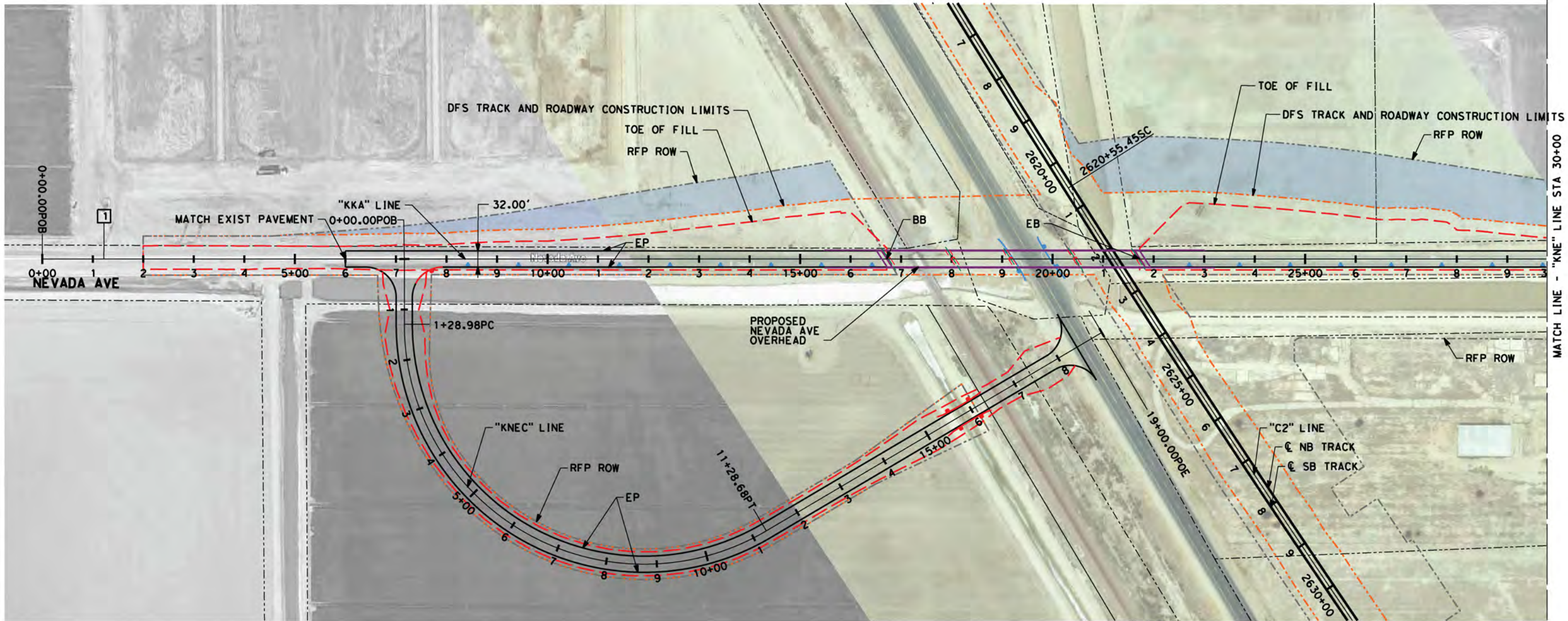
CONTRACT NO.
HST 06-0003
DRAWING NO.
T4061
SCALE
AS SHOWN
SHEET NO.
- OF -

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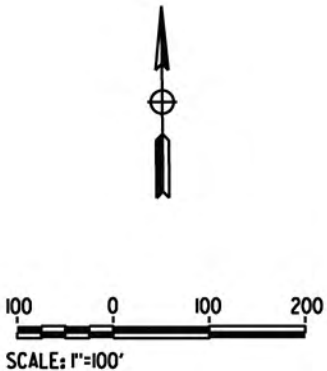
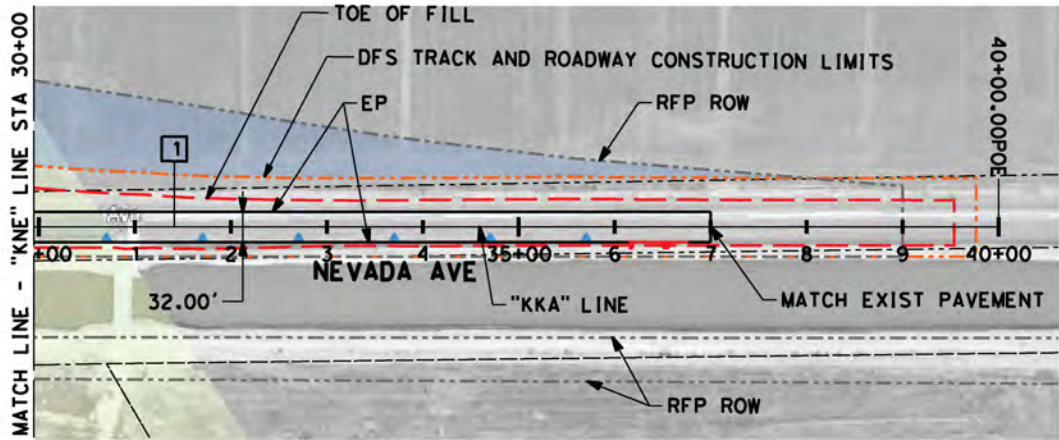
DISCLAIMER: THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS, DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.	DESIGNED BY B. KIDD	RECORD SET 15% DESIGN SUBMISSION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD KAWEAH SUBSECTION ALIGNMENT K4 GRADE SEPARATION PROFILE STATE ROUTE 43 OVER HSR	CONTRACT NO. HSR 06-0003
	DRAWN BY Z. ROOKHUYZEN					CHECKED BY E. KARAM
	IN CHARGE R. TREVETT	NOT FOR CONSTRUCTION				SCALE AS SHOWN
	DATE 09/03/14					SHEET NO. - OF -

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LINE DATA

NO.	BEARING	DISTANCE
1	S 89°37'04" E	4000.00'



REDUCTION IN CONSTRUCTION LIMITS

DISCLAIMER:
THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.

DESIGNED BY
B. Kidd
DRAWN BY
S. Partington
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
06/30/14

RECORD SET 15%
DESIGN SUBMISSION

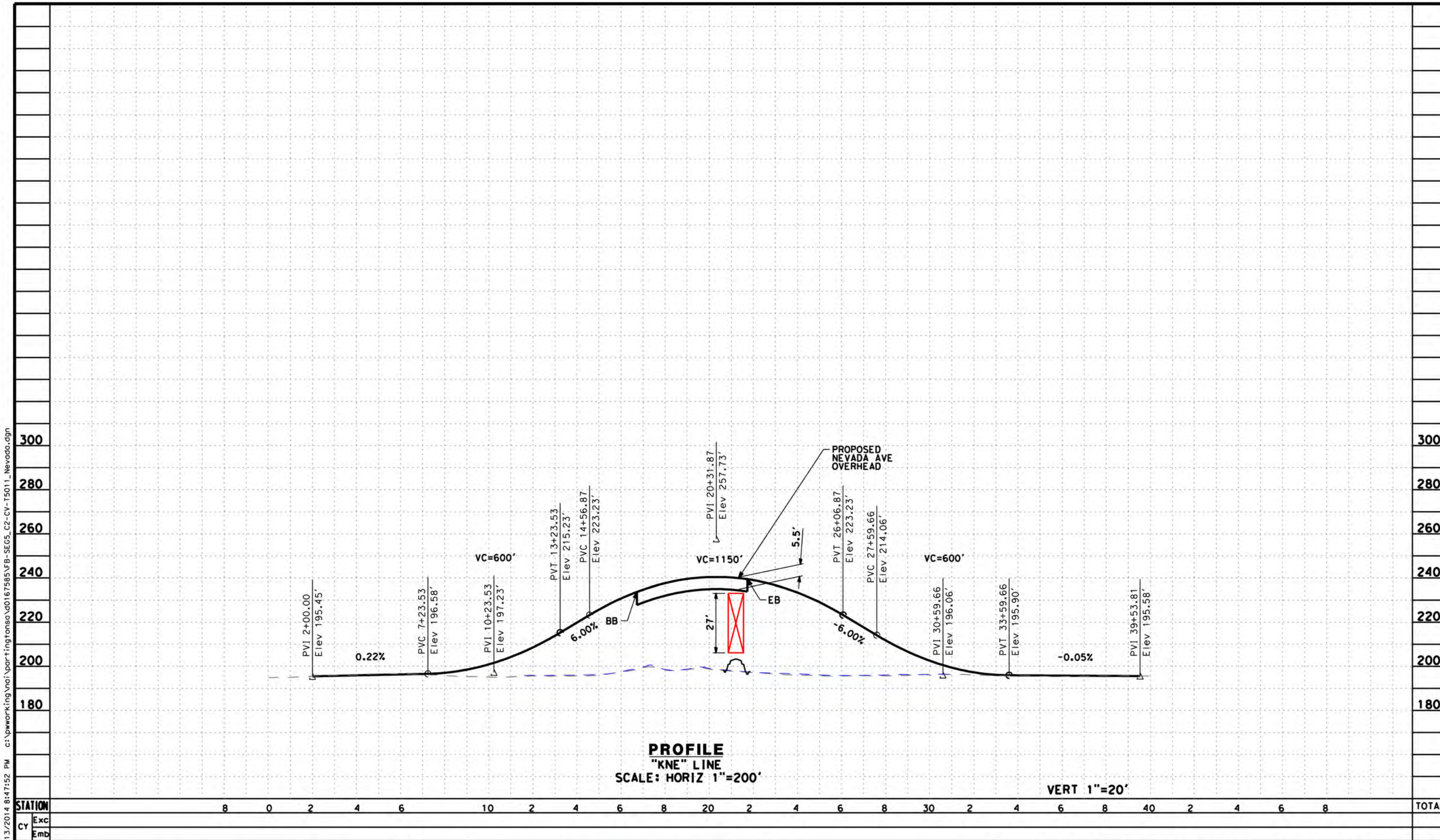
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION
ALIGNMENT C2
GRADE SEPARATION LAYOUT
NEVADA AVENUE

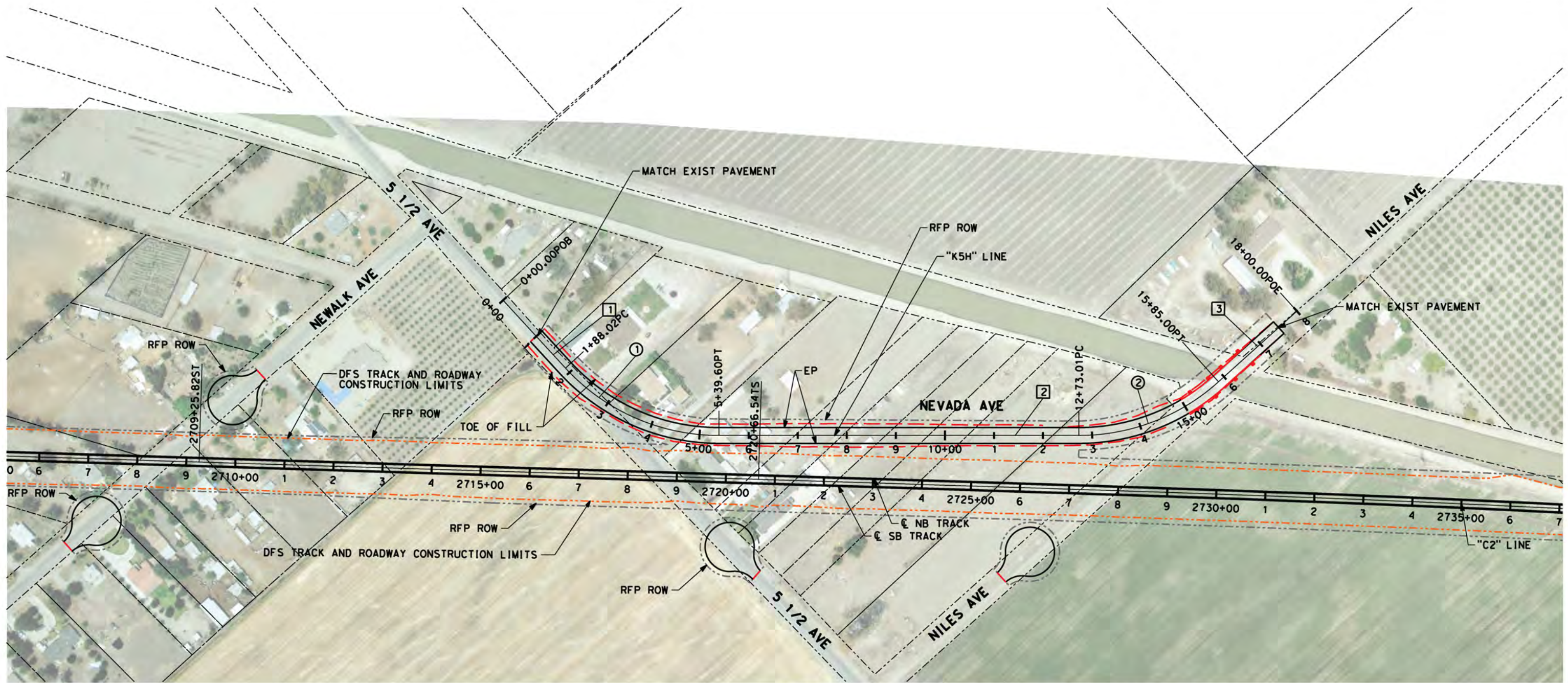
CONTRACT NO.
HST 06-0003
DRAWING NO.
T5010
SCALE
AS SHOWN
SHEET NO.
- OF -

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DISCLAIMER: THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.	DESIGNED BY B. KIDD	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD CORCORAN SUBSECTION ALIGNMENT C2 GRADE SEPARATION PROFILE NEVADA AVENUE	CONTRACT NO. HSR 06-0003
	DRAWN BY Z. ROOKHUYZEN					DRAWING NO. T5011
	CHECKED BY E. KARAM					SCALE AS SHOWN
	IN CHARGE R. TREVETT					SHEET NO. - OF -
	DATE 08/28/14					

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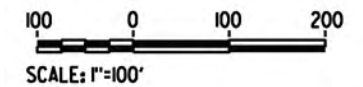


LINE DATA

NO.	BEARING	DISTANCE
1	S00°06'10"E	188.17'
2	S47°30'05"E	733.41'
3	S89°33'46"E	215.00'

CURVE DATA

NO.	R	Δ	T	L
①	425.00'	47°23'54"	186.56'	351.59'
②	425.00'	42°03'41"	163.40'	311.97'



REDUCTION IN CONSTRUCTION LIMITS

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DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

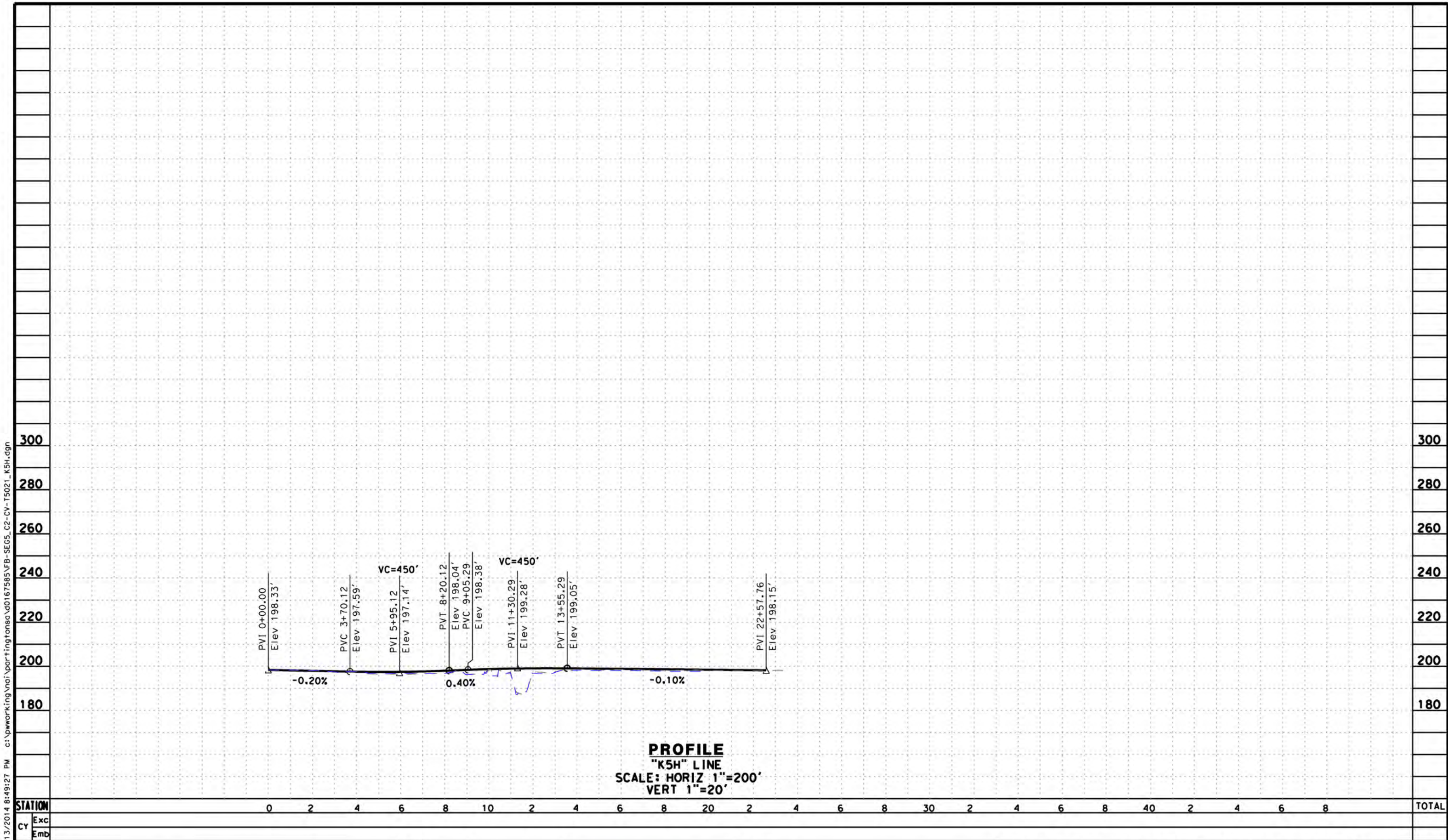


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN SUBSECTION
ALIGNMENT C2
ROADWAY REALIGNMENT LAYOUT
5 1/2 AVENUE

CONTRACT NO.
HST 06-0003
DRAWING NO.
T5020
SCALE
AS SHOWN
SHEET NO.
- OF -

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DISCLAIMER:
THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.

DESIGNED BY B. KIDD	RECORD SET 15% DESIGN SUBMISSION
DRAWN BY Z. ROOKHUYZEN	
CHECKED BY E. KARAM	
IN CHARGE R. TREVETT	
DATE 08/28/14	NOT FOR CONSTRUCTION

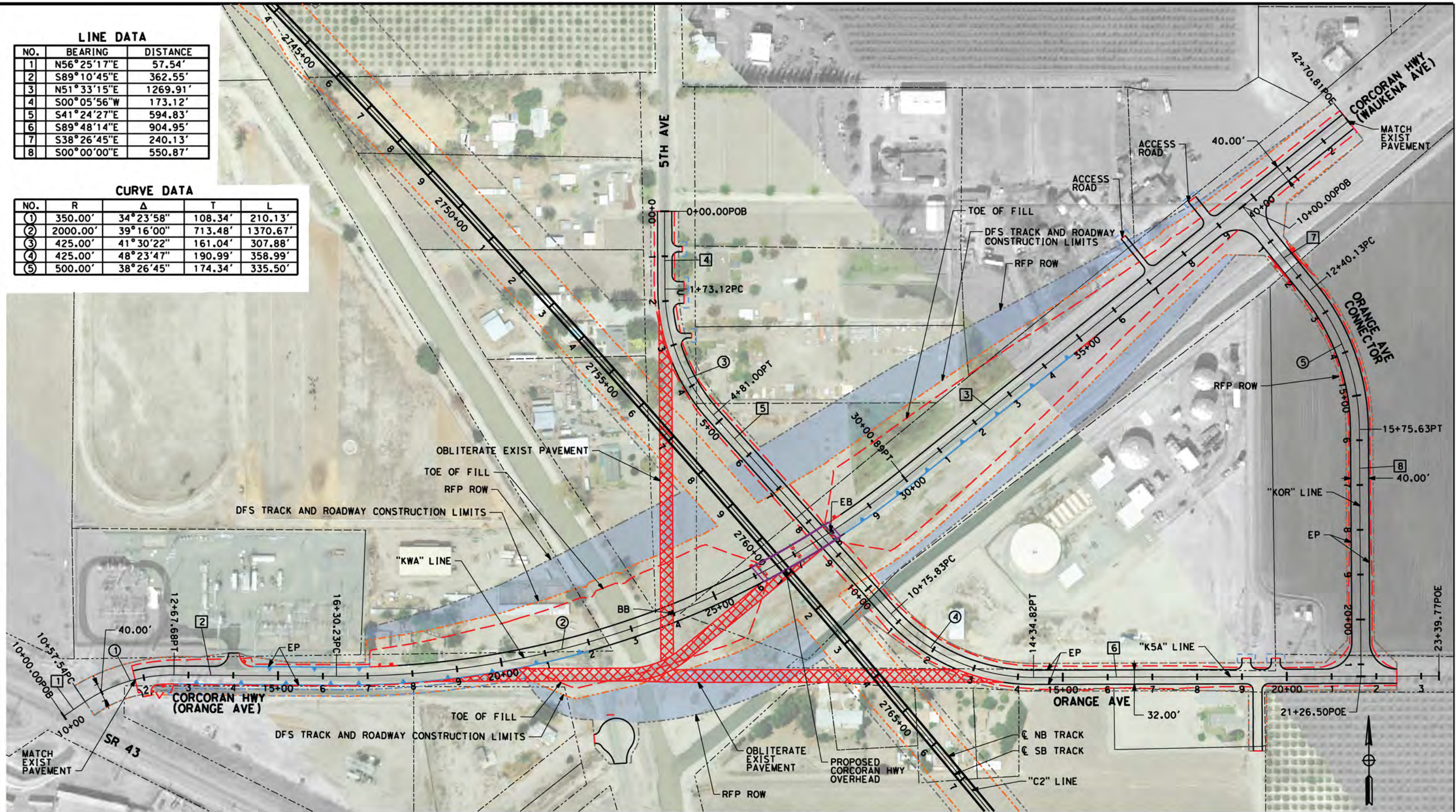
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN SUBSECTION
ALIGNMENT C2
ROADWAY REALIGNMENT PROFILE
5 1/2 AVENUE

CONTRACT NO. HSR 06-0003
DRAWING NO. T5021
SCALE AS SHOWN
SHEET NO. - OF -

c:\pwworking\ndi\portingtonsa\d0167585\FB-SEG5_C2-CV-T5030_Corcoran.dgn 10/13/2014 8:49:38 PM

LINE DATA		
NO.	BEARING	DISTANCE
1	N56°25'17"E	57.54'
2	S89°10'45"E	362.55'
3	N51°33'15"E	1269.91'
4	S00°05'56"W	173.12'
5	S41°24'27"E	594.83'
6	S89°48'14"E	904.95'
7	S38°26'45"E	240.13'
8	S00°00'00"E	550.87'

CURVE DATA				
NO.	R	Δ	T	L
1	350.00'	34°23'58"	108.34'	210.13'
2	2000.00'	39°16'00"	713.48'	1370.67'
3	425.00'	41°30'22"	161.04'	307.88'
4	425.00'	48°23'47"	190.99'	358.99'
5	500.00'	38°26'45"	174.34'	335.50'



REDUCTION IN CONSTRUCTION LIMITS

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DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

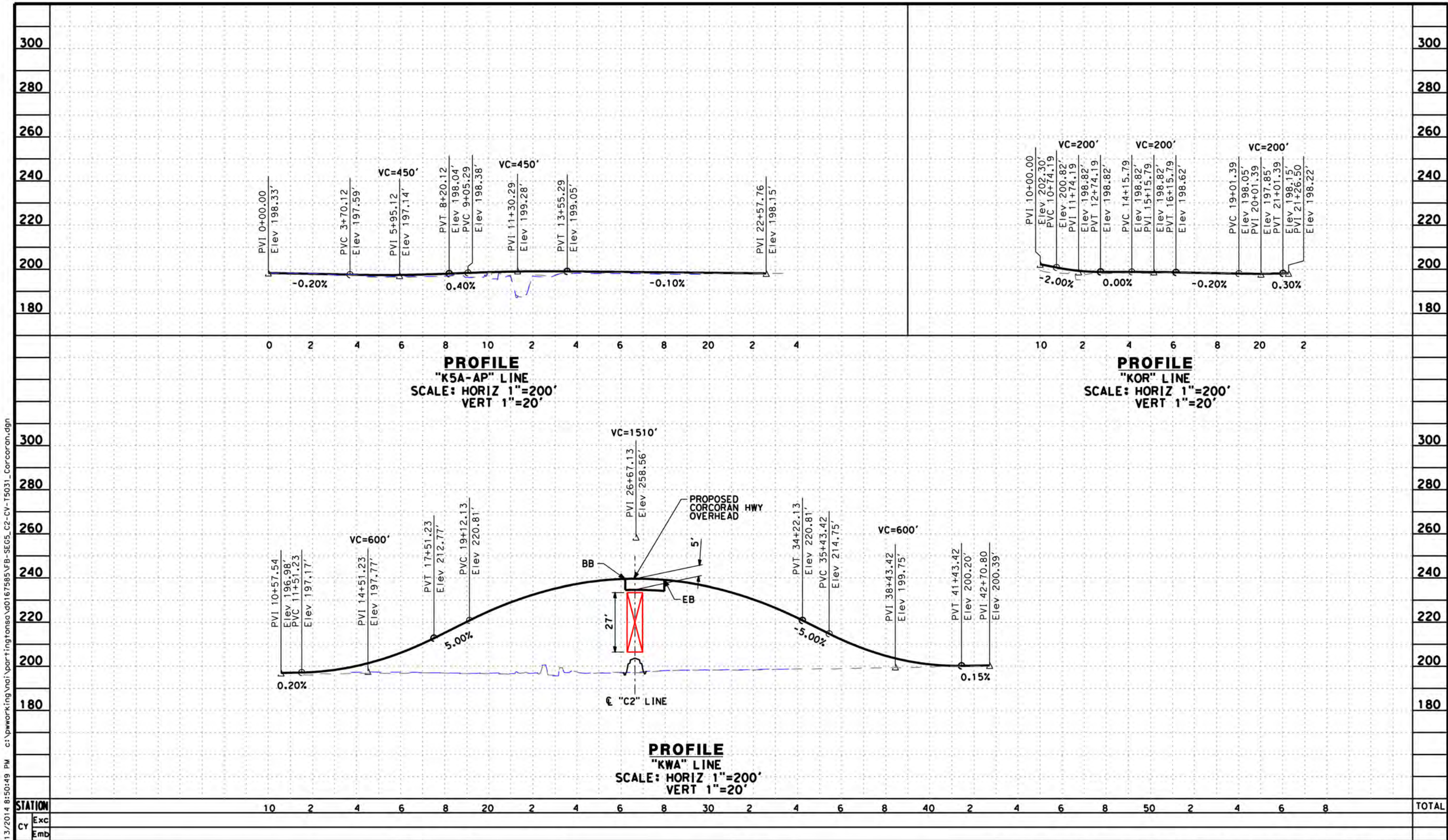


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION
ALIGNMENT C2
GRADE SEPARATION LAYOUT
CORCORAN HIGHWAY

CONTRACT NO.
HST 06-0003
DRAWING NO.
T5030
SCALE
AS SHOWN
SHEET NO.
- OF -

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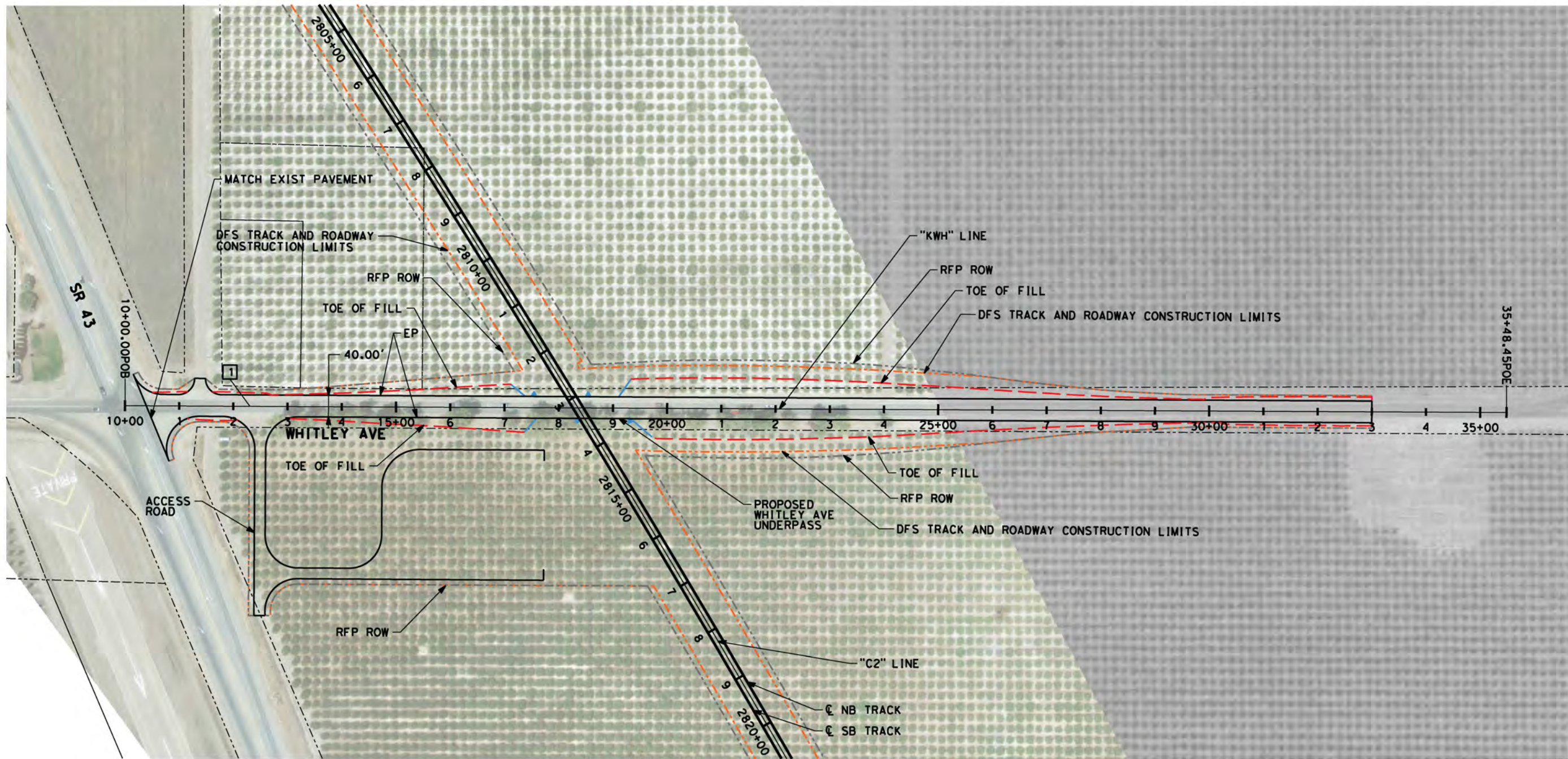
DISCLAIMER:
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DESIGNED BY B. KIDD	RECORD SET 15% DESIGN SUBMISSION
DRAWN BY Z. ROOKHUYZEN	
CHECKED BY E. KARAM	
IN CHARGE R. TREVETT	
DATE 7/2/14	NOT FOR CONSTRUCTION

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN SUBSECTION
ALIGNMENT C2
GRADE SEPARATION PROFILE
CORCORAN HIGHWAY

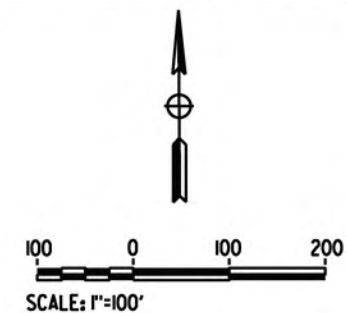
CONTRACT NO. HSR 06-0003
DRAWING NO. T5031
SCALE AS SHOWN
SHEET NO. - OF -

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LINE DATA

NO.	BEARING	DISTANCE
1	S89°20'14"E	2548.45'



REDUCTION IN CONSTRUCTION LIMITS

DISCLAIMER:
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DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookheyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

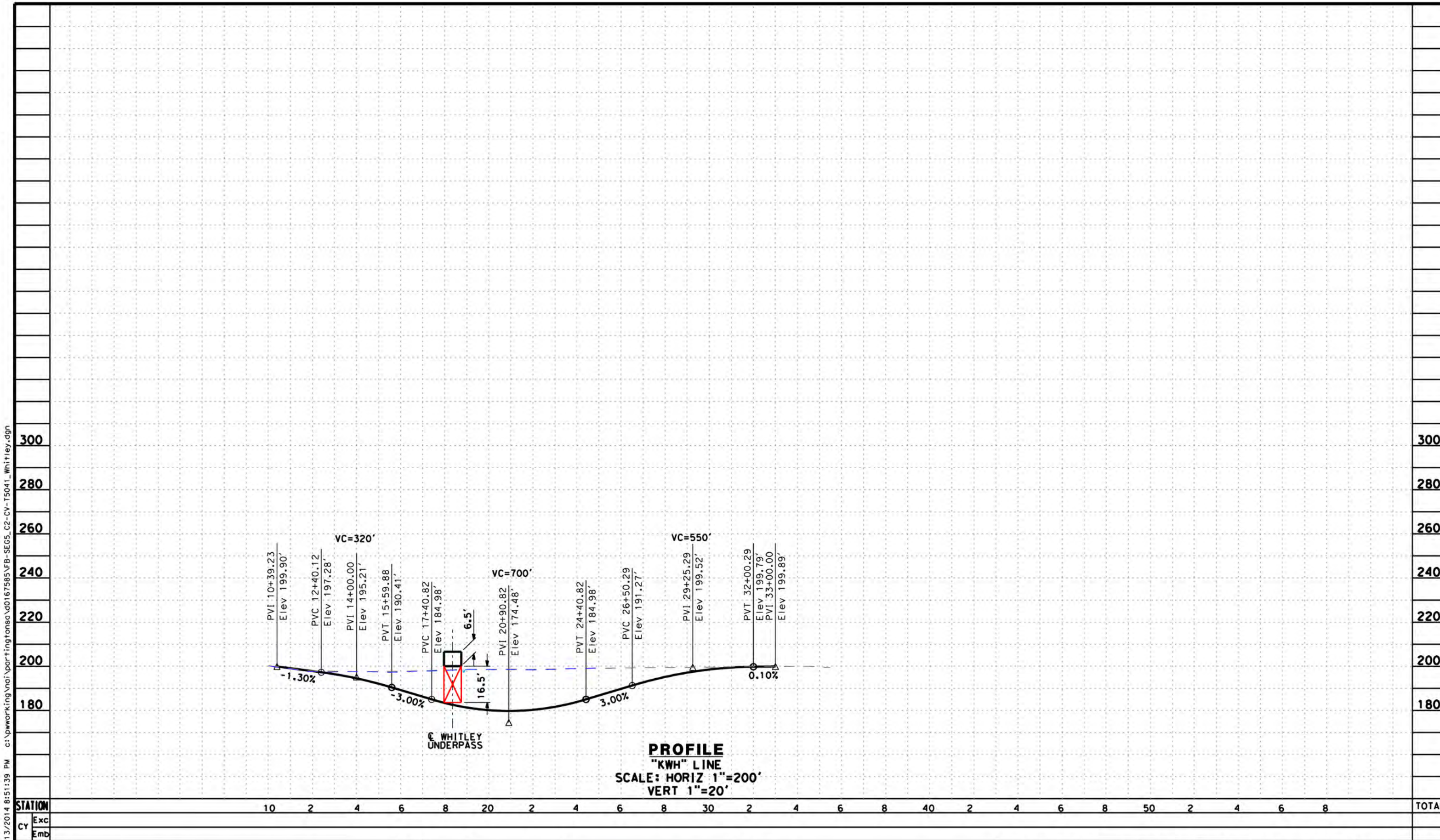


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION
ALIGNMENT C2
GRADE SEPARATION LAYOUT
WHITLEY AVENUE

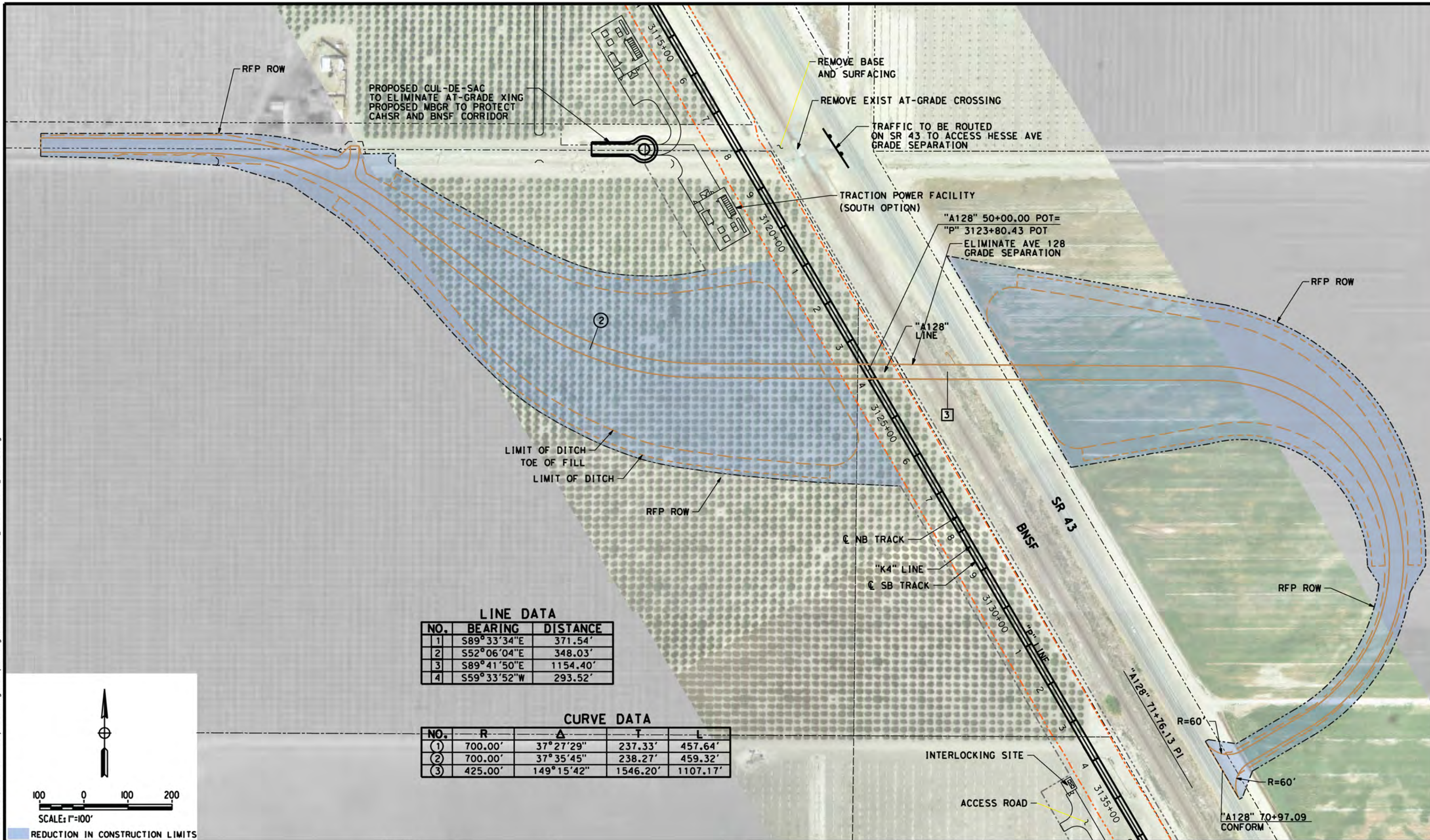
CONTRACT NO.
HST 06-0003
DRAWING NO.
T5040
SCALE
AS SHOWN
SHEET NO.
- OF -

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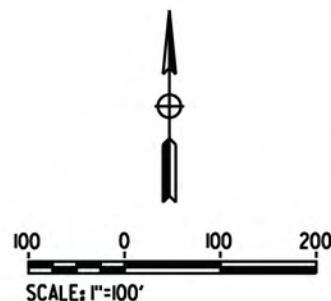
DISCLAIMER: THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.	DESIGNED BY B. KIDD DRAWN BY Z. ROOKHUYZEN CHECKED BY E. KARAM IN CHARGE R. TREVETT DATE 08/28/14	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION		CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD CORCORAN SUBSECTION ALIGNMENT C2 GRADE SEPARATION PROFILE WHITLEY AVENUE	CONTRACT NO. HSR 06-0003
					DRAWING NO. T5041 SCALE AS SHOWN SHEET NO. - OF -

c:\pwworking\ndi\partingtonsa\0167585\FB-SEG06_P-CV-T6010_AVE128.dgn 10/13/2014 8:52:37 PM



LINE DATA		
NO.	BEARING	DISTANCE
1	S89°33'34"E	371.54'
2	S52°06'04"E	348.03'
3	S89°41'50"E	1154.40'
4	S59°33'52"W	293.52'

CURVE DATA				
NO.	R	Δ	T	L
①	700.00'	37°27'29"	237.33'	457.64'
②	700.00'	37°35'45"	238.27'	459.32'
③	425.00'	149°15'42"	1546.20'	1107.17'



REDUCTION IN CONSTRUCTION LIMITS

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DESIGNED BY
P. Borney
DRAWN BY
S. Partington
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
PIXLEY SUBSECTION
ALIGNMENT P
GRADE SEPARATION LAYOUT
AVE 128

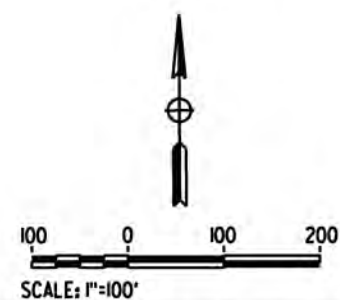
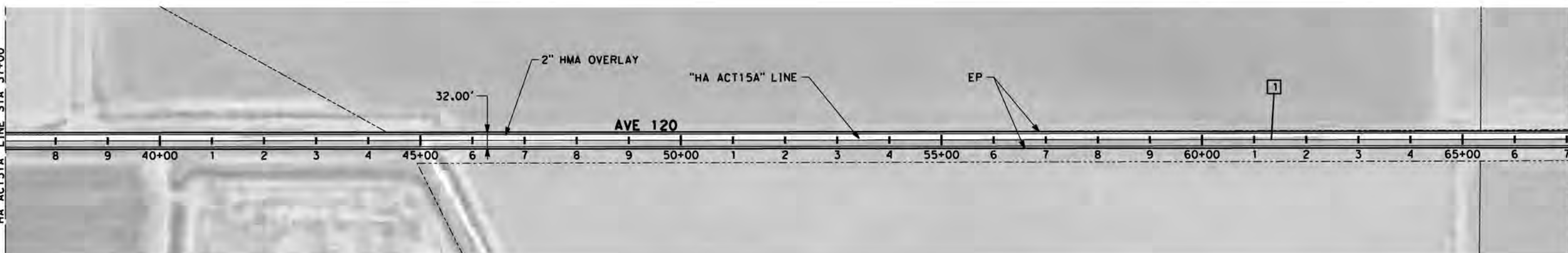
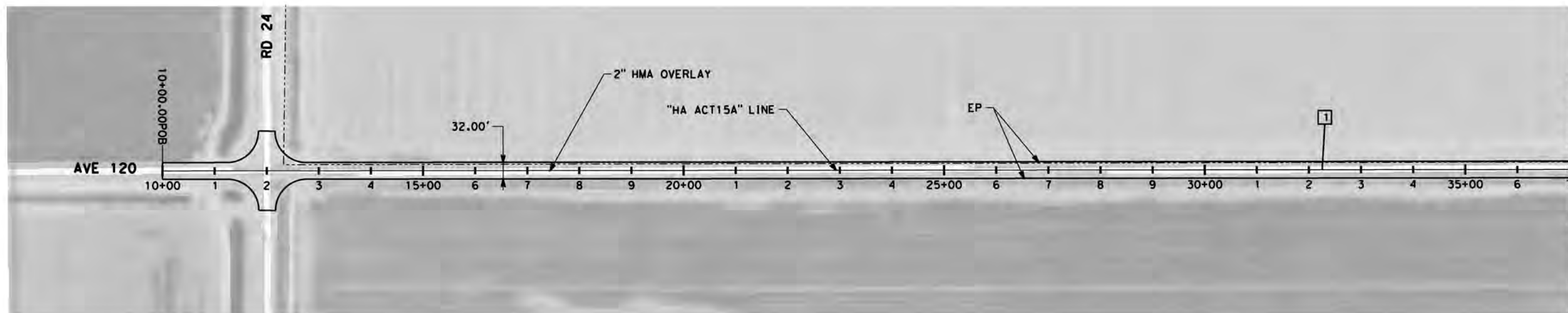
ATC 15A

CONTRACT NO.
HSR 06-0003
DRAWING NO.

SCALE
AS SHOWN
SHEET NO.
XX OF XX

LINE DATA

NO.	BEARING	DISTANCE
1	S89°40'53"E	6259.75'



DISCLAIMER:
THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.

DESIGNED BY
P. Borney
DRAWN BY
S. Partington
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION



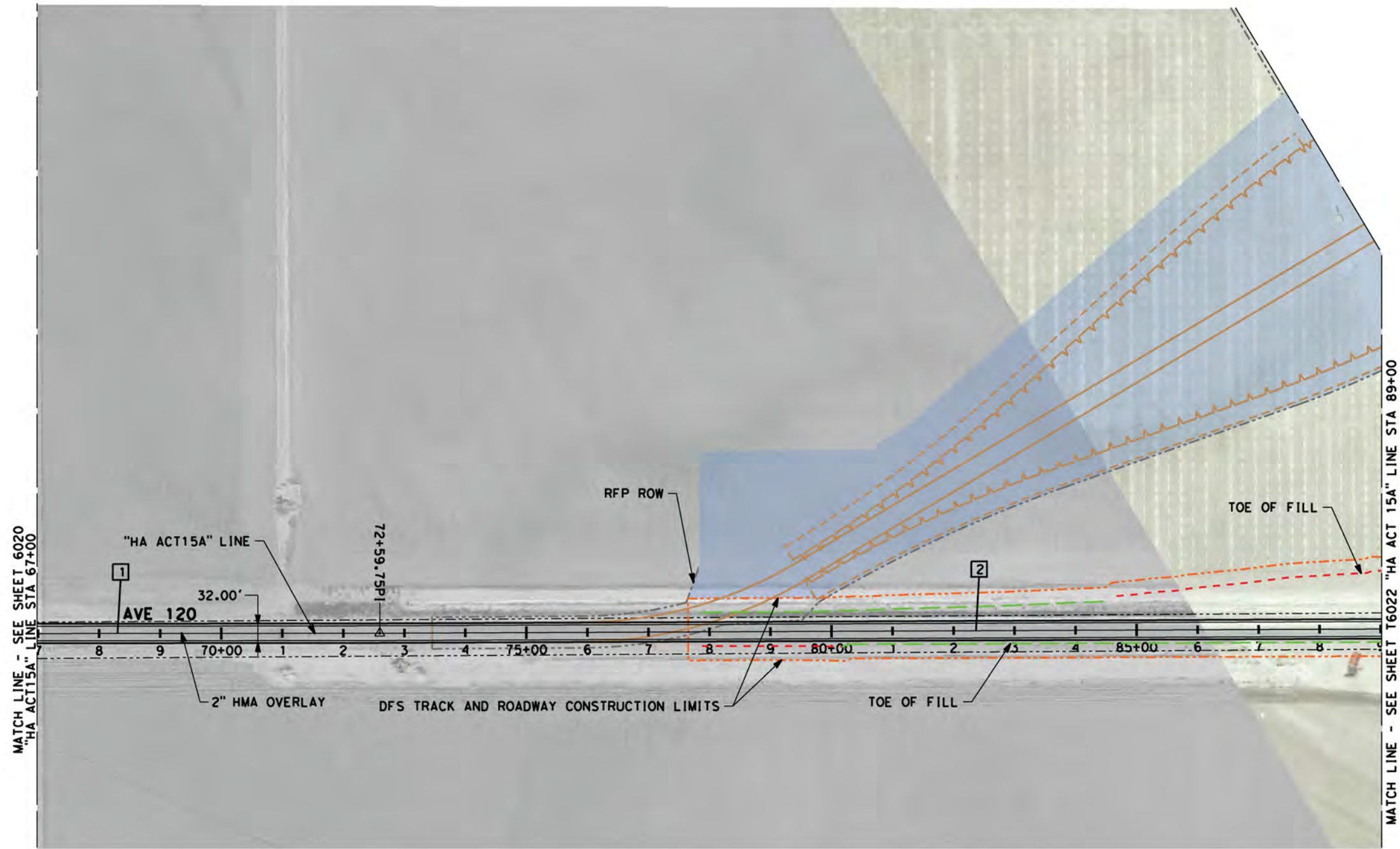
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
PIXLEY SUBSECTION
ALIGNMENT P
GRADE SEPARATION LAYOUT
HESSE AVENUE (NORTH)

CONTRACT NO.
HST 06-0003
DRAWING NO.
T6020
SCALE
AS SHOWN
SHEET NO.
- OF -

10/13/2014 8:53:25 PM c:\pwworking\ndi\partingtonsa\0167585\FB-SEG06_P-CV-T6021_HesseNo2.dgn

LINE DATA

NO.	BEARING	DISTANCE
1	S89°40'53"E	6529.75'
2	S89°51'36"E	3991.28'



REDUCTION IN CONSTRUCTION LIMITS

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DESIGNED BY
P. Borney
DRAWN BY
S. Partington
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION



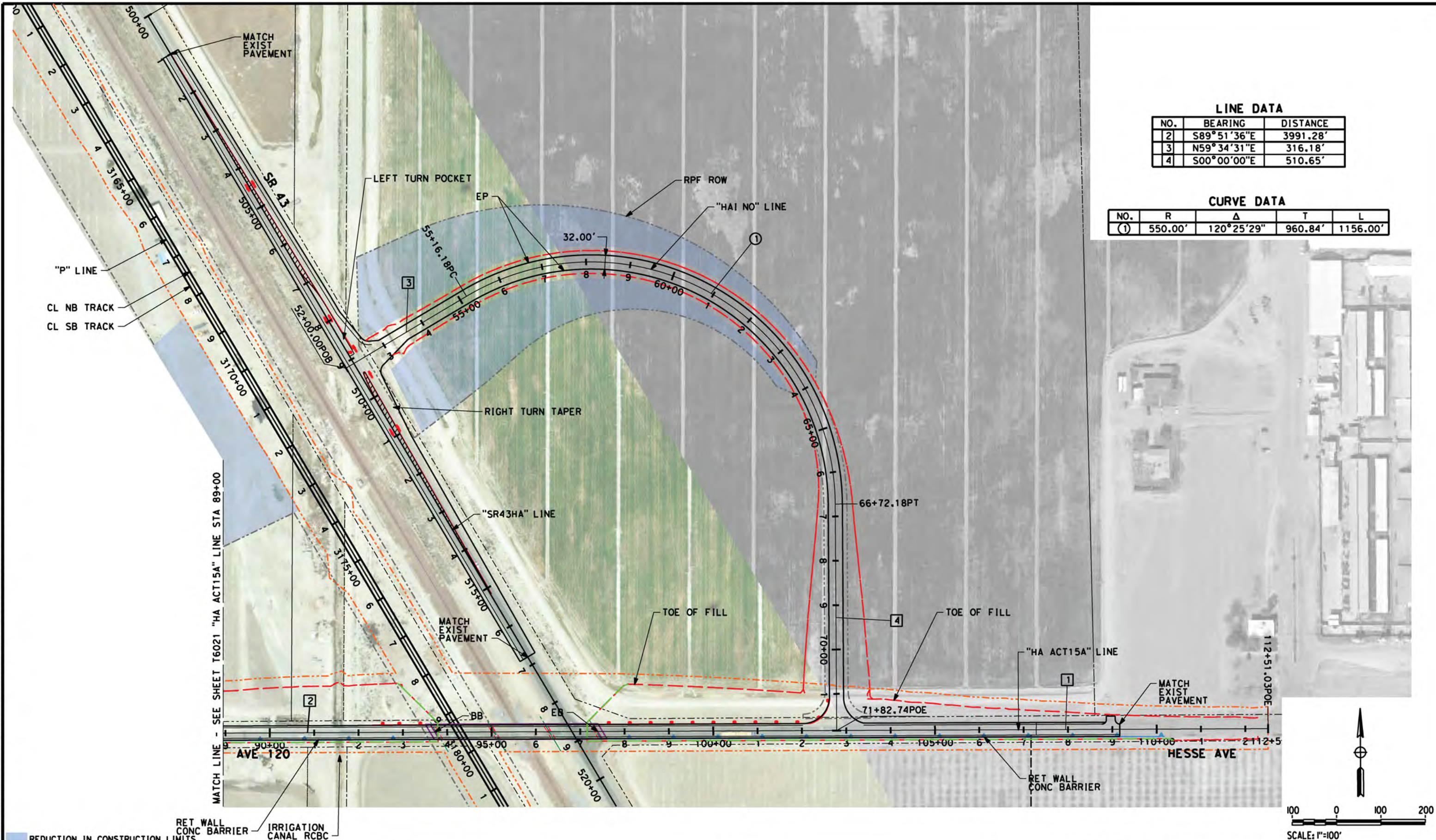
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
PIXLEY SUBSECTION
ALIGNMENT P
GRADE SEPARATION LAYOUT
HESSE AVENUE (NORTH)

ATC 15A

CONTRACT NO.
HST 06-0003
DRAWING NO.
T6021
SCALE
AS SHOWN
SHEET NO.
- OF -

10/13/2014 8:53:35 PM c:\pwworking\ndi\partingtonsa\d0167585\FB-SEG06_P-CV-T6022_HesseNo3.dgn



LINE DATA		
NO.	BEARING	DISTANCE
2	S89°51'36"E	3991.28'
3	N59°34'31"E	316.18'
4	S00°00'00"E	510.65'

CURVE DATA				
NO.	R	Δ	T	L
(1)	550.00'	120°25'29"	960.84'	1156.00'

DISCLAIMER:
THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.

DESIGNED BY
P. Borney
DRAWN BY
S. Partington
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

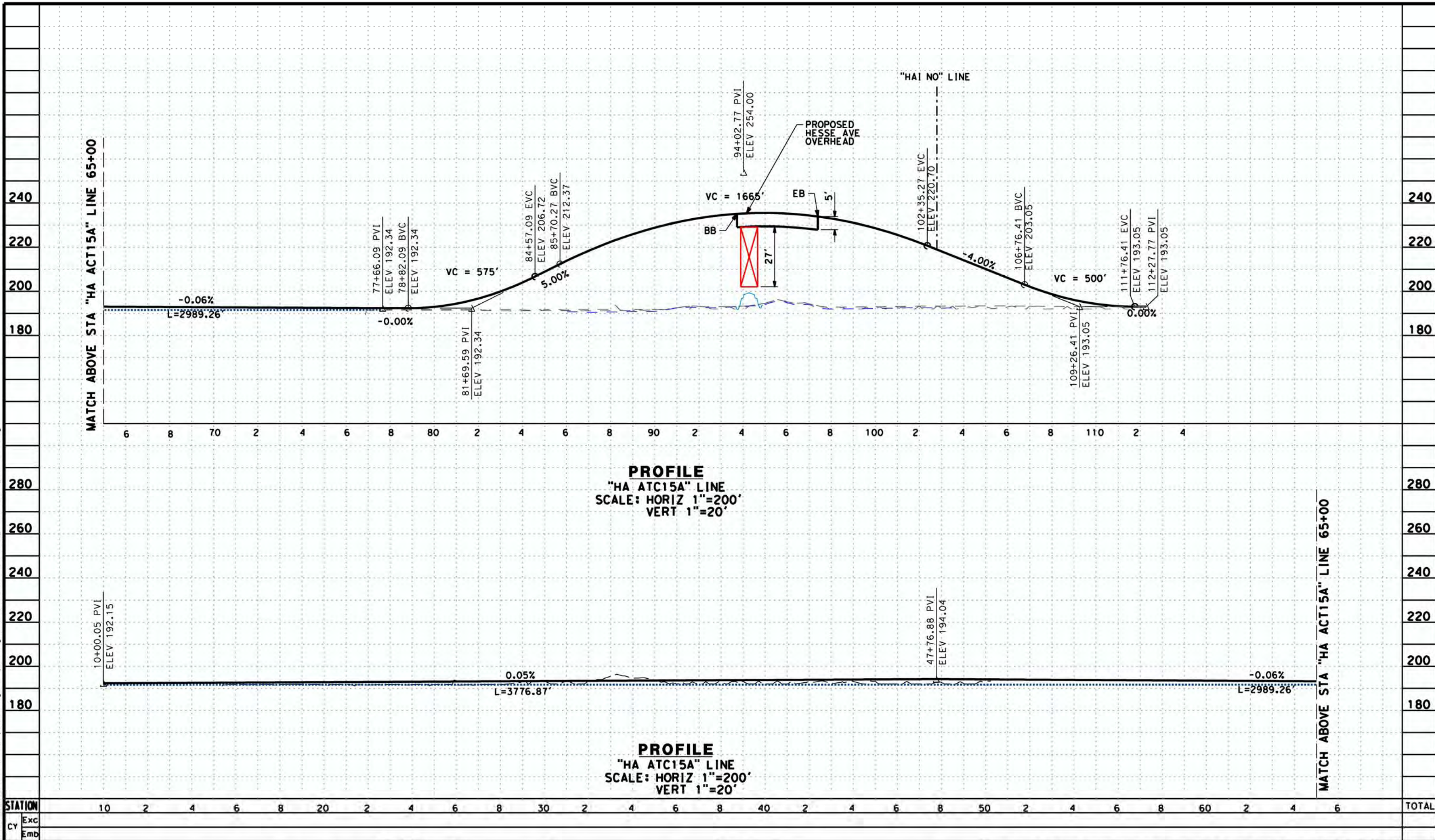
NOT FOR
CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
PIXLEY SUBSECTION
ALIGNMENT P
GRADE SEPARATION LAYOUT
HESSE AVENUE (NORTH)

CONTRACT NO.
HST 06-0003
DRAWING NO.
T6022
SCALE
AS SHOWN
SHEET NO.
- OF -

c:\pwworking\ndi\partingtonsa\0167585\FB-SEG6_P-CV-T6026_HessePro.dgn 10/14/2014 2:32:27 PM



DISCLAIMER:
THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS, DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.

DESIGNED BY
B. KIDD
DRAWN BY
Z. ROOKHUYZEN
CHECKED BY
E. KARAM
IN CHARGE
R. TREVETT
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION

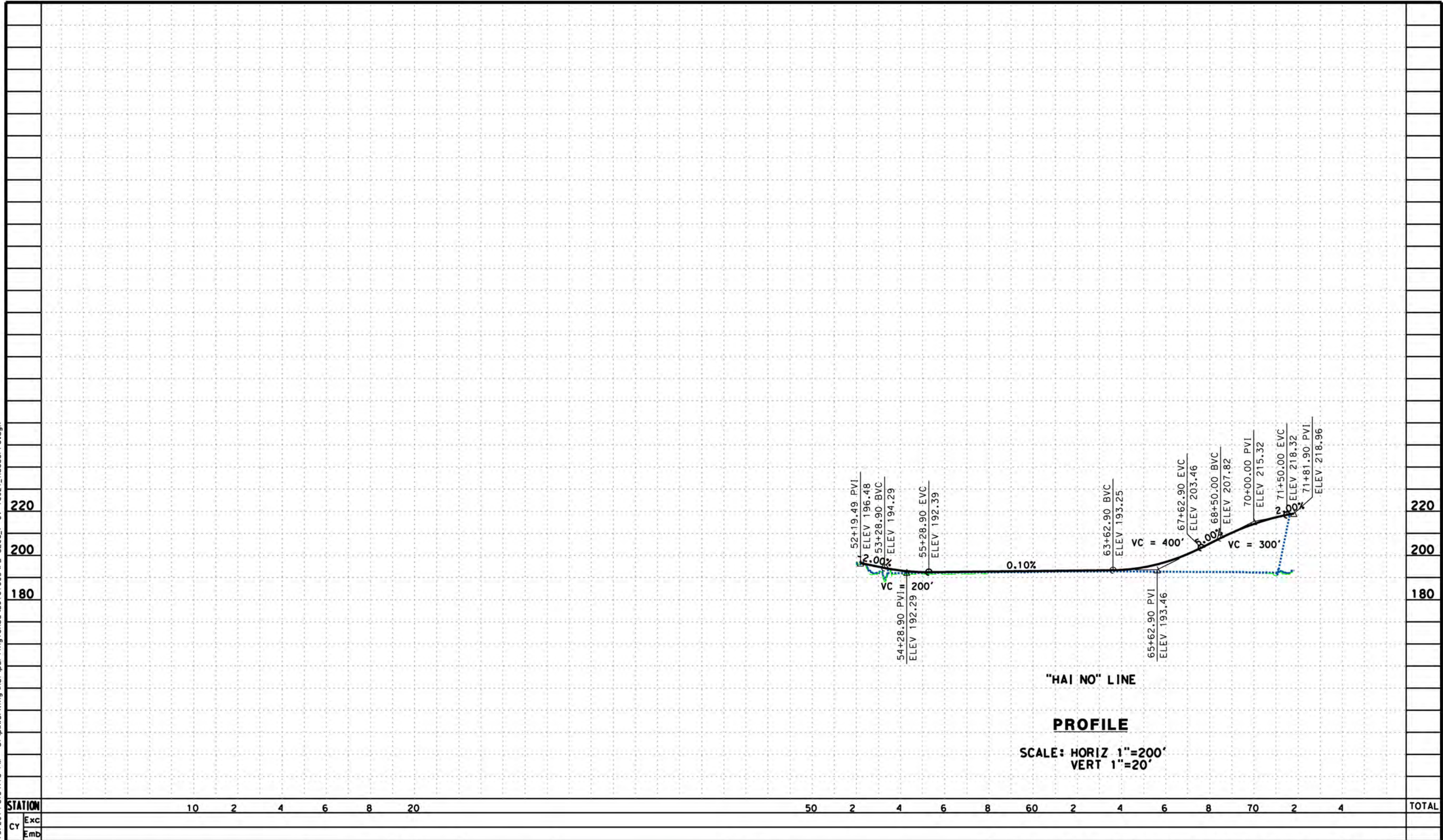
DFS

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
PIXLEY SUBSECTION
ALIGNMENT P
GRADE SEPARATION PROFILE
HESSE AVENUE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
T6026
SCALE
AS SHOWN
SHEET NO.
- OF -

portingtonsa 10/13/2014 8:54:18 PM c:\pwworking\nai\portingtonsa\0167585\FB-SE06_P-CV-T6027_HessePro.dgn



DISCLAIMER:
THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.

DESIGNED BY
P. Borney
DRAWN BY
S. Portington
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

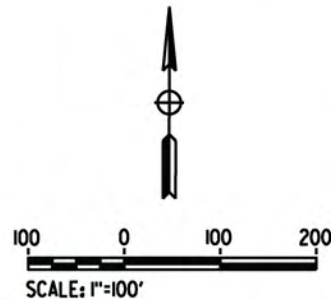
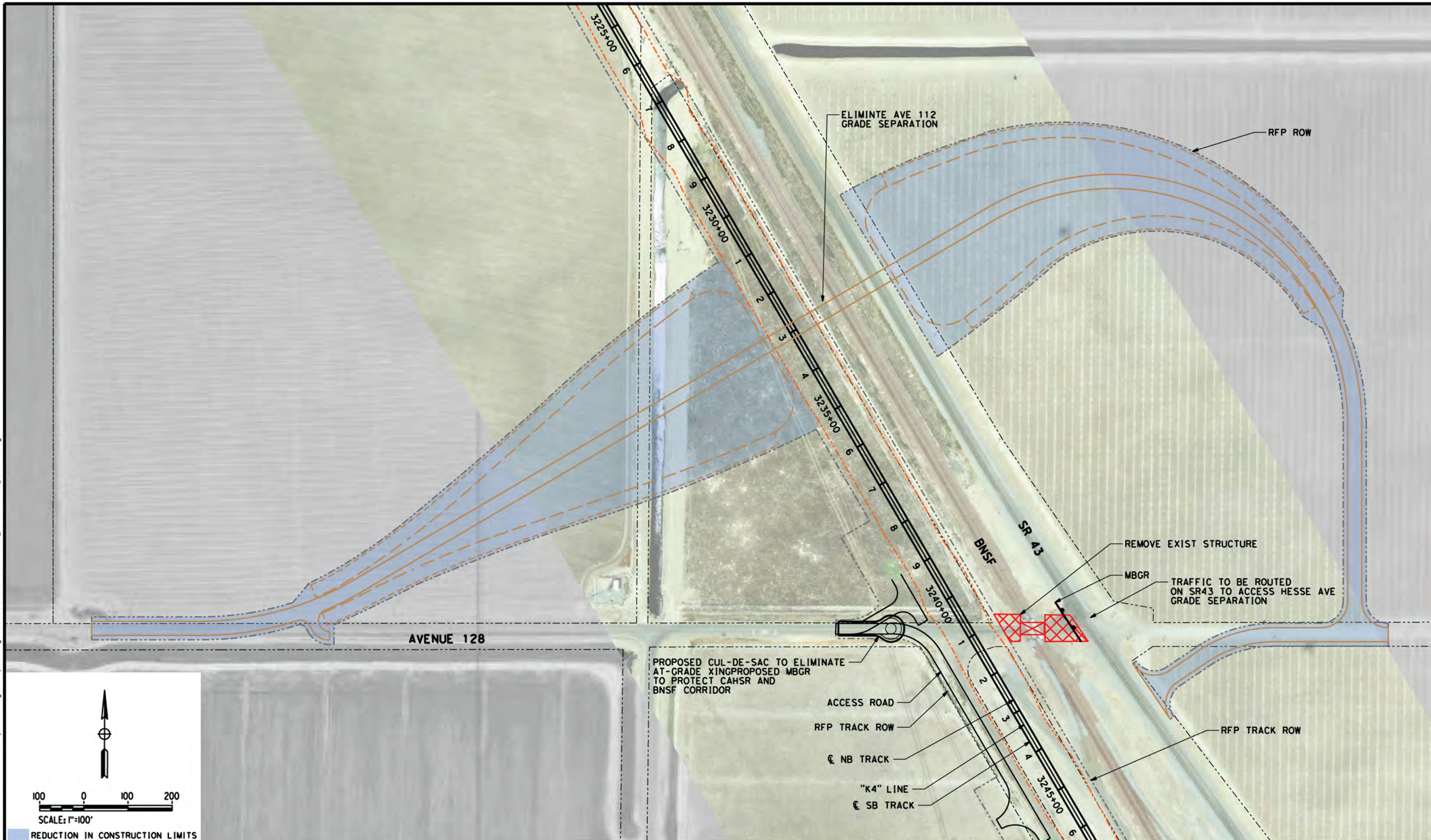
RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
PIXLEY SUBSECTION
ALIGNMENT P
GRADE SEPARATION PROFILE
HESSE AVENUE
ATC 15A

CONTRACT NO.
HSR 06-0003
DRAWING NO.
T6027
SCALE
AS SHOWN
SHEET NO.
- OF -

c:\pwworking\ndi\partingtonsa\d0167585\FB-SEG6_P-CV-T6030_AVE112.dgn
10/13/2014 8:55:13 PM
partingtonsa



REDUCTION IN CONSTRUCTION LIMITS

DISCLAIMER:
THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.

DESIGNED BY
P. Borney
DRAWN BY
S. Partington
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION



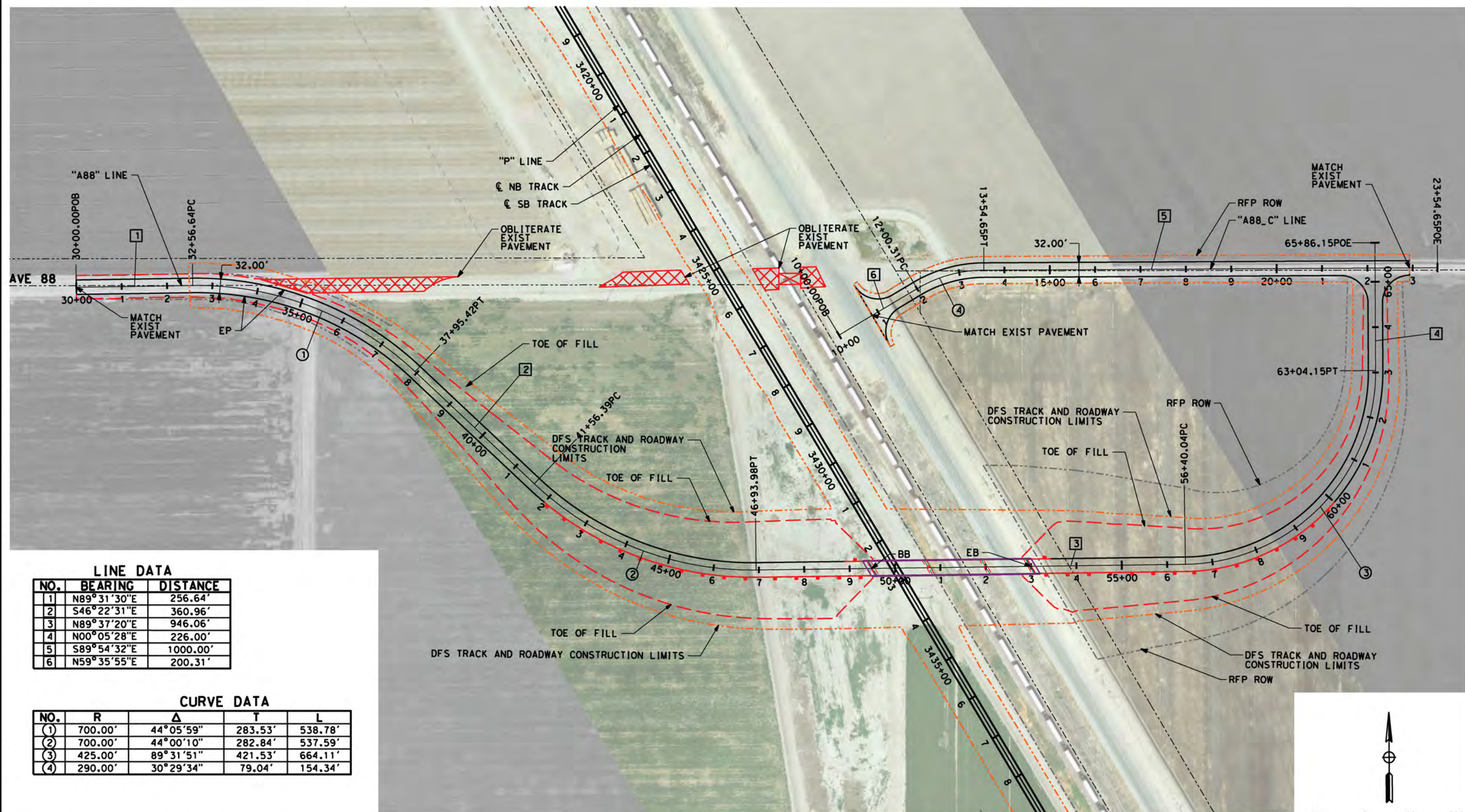
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
PIXLEY SUBSECTION
ALIGNMENT P
GRADE SEPARATION LAYOUT
AVE 112

ATC 15A

CONTRACT NO.
HSR 06-0003
DRAWING NO.
T6030
SCALE
AS SHOWN
SHEET NO.
XX OF XX

10/13/2014 8:55:23 PM c:\pwworking\ndi\partingtonsa\d0167585\FB-SEG06_P-CV-T6040_AVE88.dgn



LINE DATA

NO.	BEARING	DISTANCE
1	N89°31'30"E	256.64'
2	S46°22'31"E	360.96'
3	N89°37'20"E	946.06'
4	N00°05'28"E	226.00'
5	S89°54'32"E	1000.00'
6	N59°35'55"E	200.31'

CURVE DATA

NO.	R	Δ	T	L
1	700.00'	44°05'59"	283.53'	538.78'
2	700.00'	44°00'10"	282.84'	537.59'
3	425.00'	89°31'51"	421.53'	664.11'
4	290.00'	30°29'34"	79.04'	154.34'

REDUCTION IN CONSTRUCTION LIMITS

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DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
06/30/14

RECORD SET 15%
DESIGN SUBMISSION

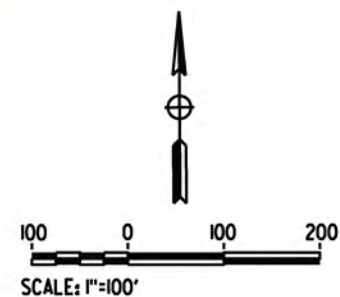
NOT FOR
CONSTRUCTION



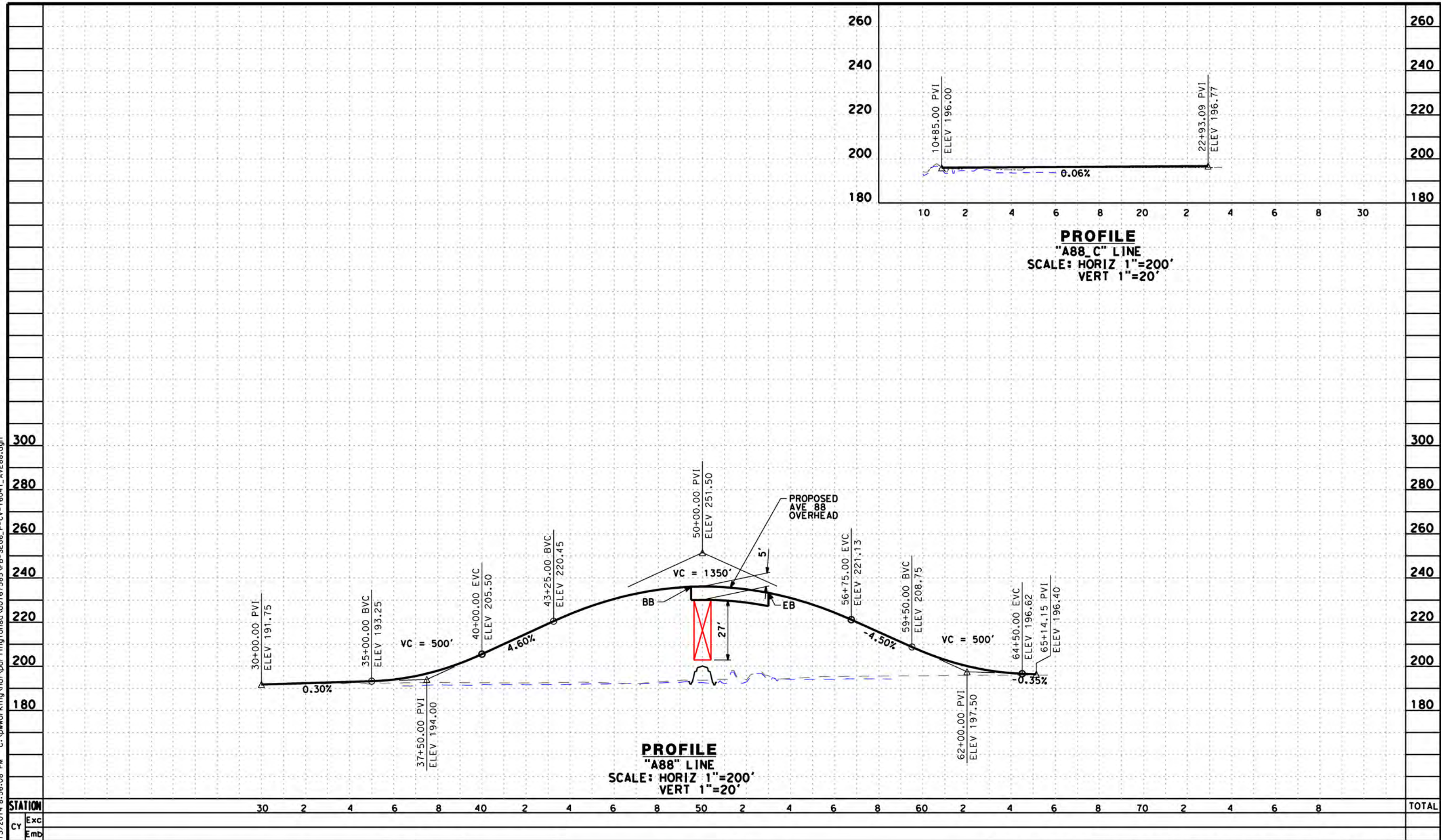
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
PIXLEY SUBSECTION
ALIGNMENT P
GRADE SEPARATION LAYOUT
AVENUE 88

CONTRACT NO.
HST 06-0003
DRAWING NO.
T6040
SCALE
AS SHOWN
SHEET NO.
- OF -

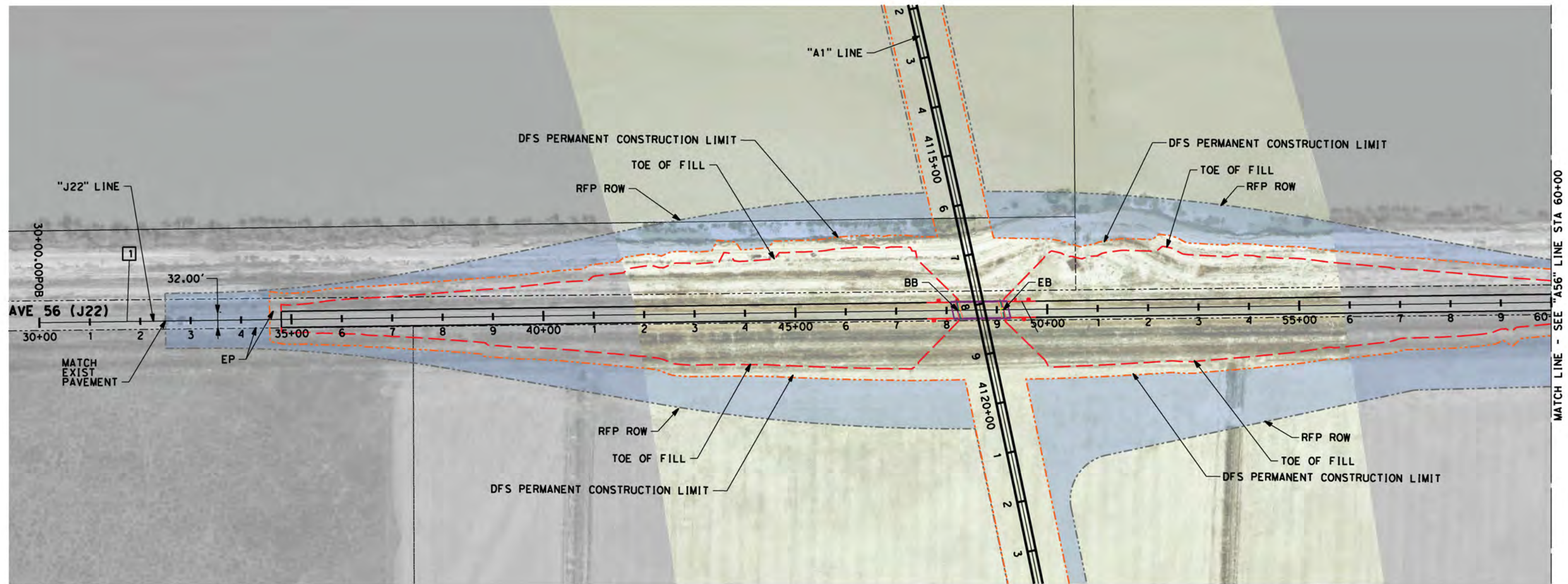


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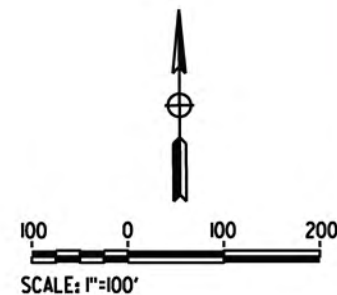
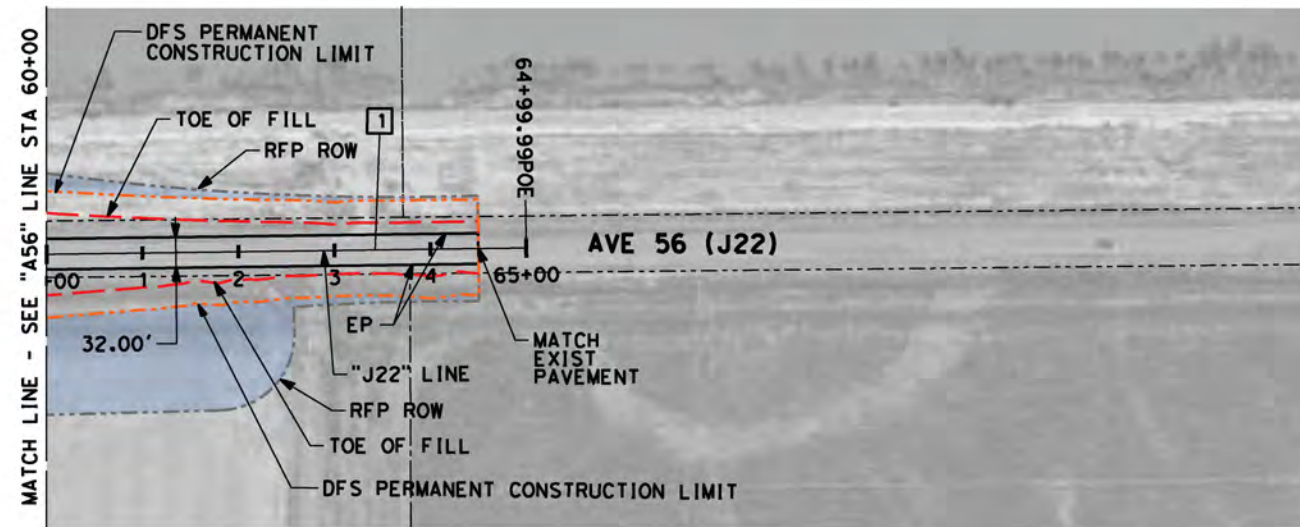


DISCLAIMER: THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.	DESIGNED BY B. KIDD	RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD PIXLEY SUBSECTION ALIGNMENT P GRADE SEPARATION PROFILE AVENUE 88	CONTRACT NO. HSR 06-0003
	DRAWN BY Z. ROOKHUYZEN					DRAWING NO. T6041
	CHECKED BY E. KARAM					SCALE AS SHOWN
	IN CHARGE R. TREVETT					SHEET NO. - OF -
	DATE 10/15/14					

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LINE DATA		
NO.	BEARING	DISTANCE
1	N89°36'35"E	3500.00'



REDUCTION IN CONSTRUCTION LIMITS

DISCLAIMER:
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DESIGNED BY
B. Kidd
DRAWN BY
Z. Rookhuyzen
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
08/28/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

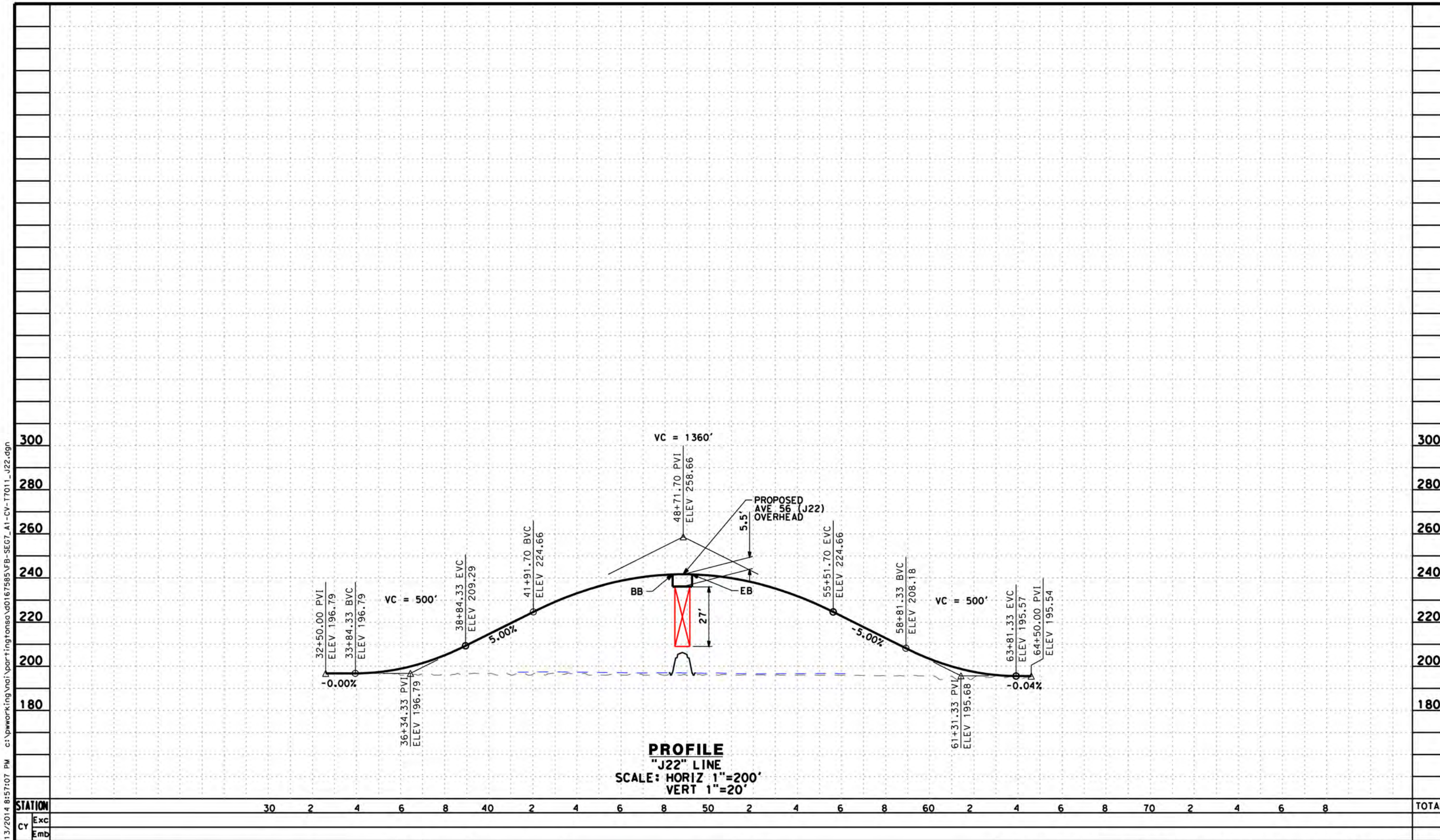


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
GRADE SEPARATION LAYOUT
AVENUE 56 (J22)

CONTRACT NO.
HST 06-0003
DRAWING NO.
T7010
SCALE
AS SHOWN
SHEET NO.
- OF -

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DESIGNED BY B. KIDD
DRAWN BY Z. ROOKHUYZEN
CHECKED BY E. KARAM
IN CHARGE R. TREVETT
DATE 08/28/14

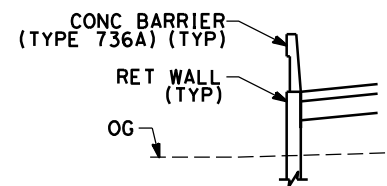
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DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

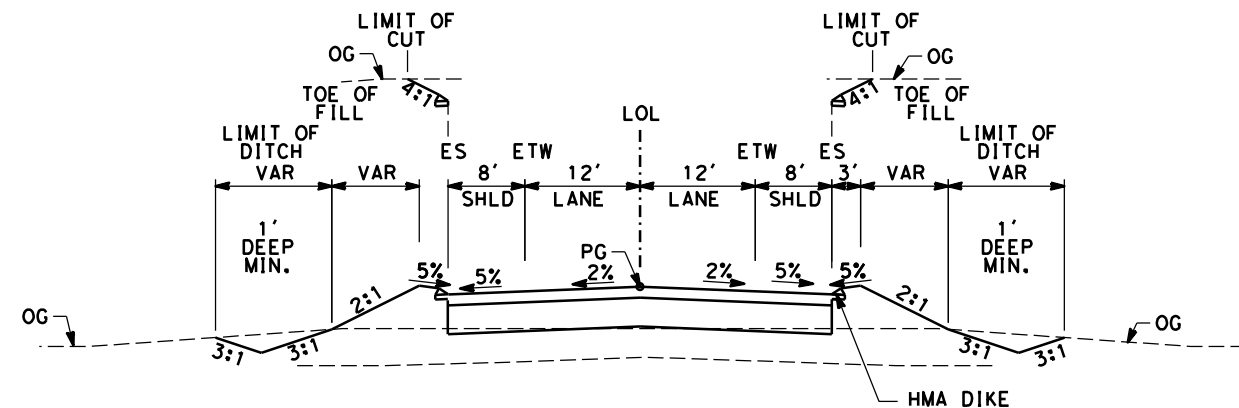
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

PIXLEY SUBSECTION
ALIGNMENT A1
GRADE SEPARATION PROFILE
AVENUE 56 (J22)

CONTRACT NO. HSR 06-0003
DRAWING NO. T7011
SCALE AS SHOWN
SHEET NO. - OF -

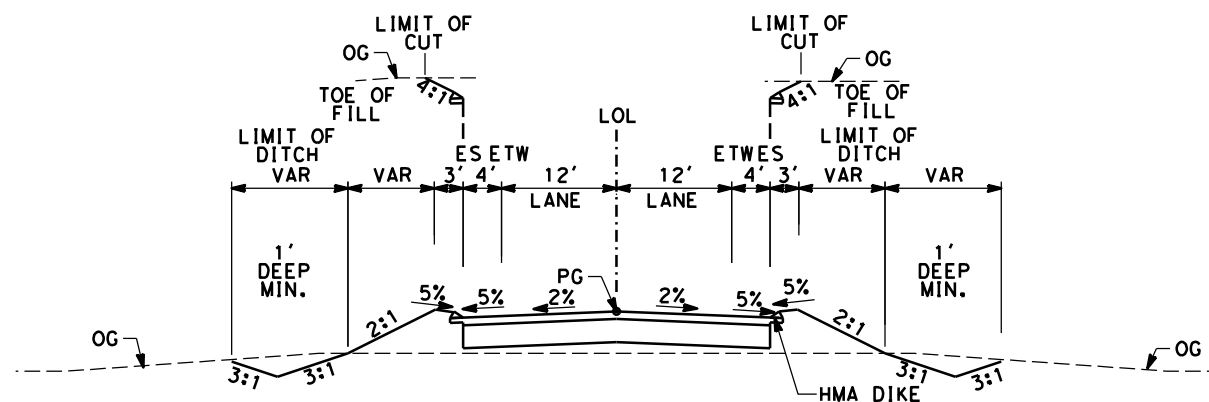


"FNE" 33+97.00 TO 38+05.00



SECTION A

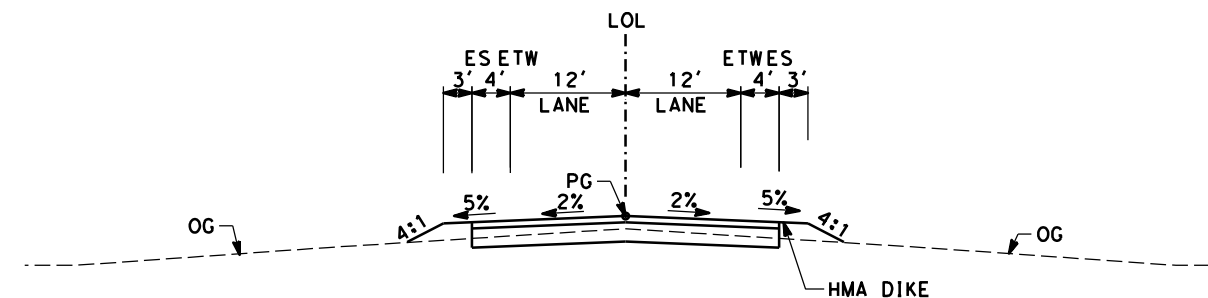
"FLI" 10+00.00 TO 21+30.50	"FNE" 33+97.00 TO 43+50.00	"FMN" 104+00.00 TO 109+00.00
"FLI" 23+82.50 TO 36+00.00	"FMV" 102+00.00 TO 117+93.50	"FMN" 122+44.50 TO 130+00.00
"FAD" 12+50.00 TO 21+73.00	"FMV" 120+16.50 TO 133+30.00	"FFL" 7+00.00 TO 22+59.50
"FAD" 24+21.00 TO 36+00.00	"FCN" 28+50.00 TO 33+26.39	"FFL" 24+94.50 TO 37+00.00
"FNE" 10+00.00 TO 31+81.00	"FCS" 0+00.00 TO 13+00.00	



SECTION B

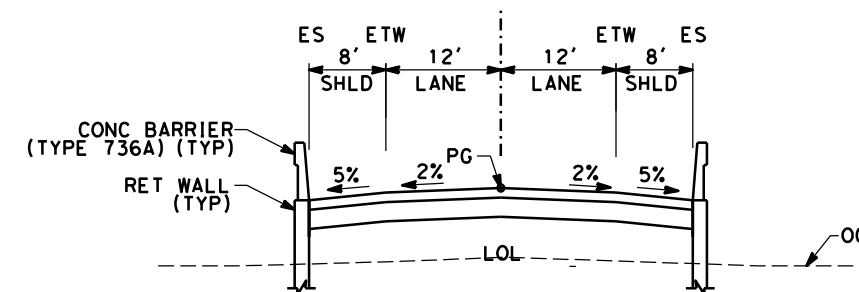
"FSO" 14+00.00 TO 23+60.25
"FSO" 25+78.25 TO 38+00.00

"FLI" E LINCOLN AVE
"FAD" E ADAMS AVE
"FSO" E SOUTH AVE
"FMN" E MANNING AVE
"FFL" E FLORAL AVE
"FNE" E NEBRASKA AVE
"FMV" E MOUNTAIN VIEW AVE
"FLIM" S MAPLE AVE AT LINCOLN
"FLIC" S CEDAR AVE AT LINCOLN
"FADM" S MAPLE AVE AT ADAMS
"FADC" S CEDAR AVE AT ADAMS
"FSOM" S MAPLE AVE AT SOUTH
"FSOC" S CEDAR AVE AT SOUTH
"FMM" S MAPLE AVE AT MANNING
"NCN" S CHESTNUT AVE AT NEBRASKA
"FCN/FCS" S CHESTNUT AVE



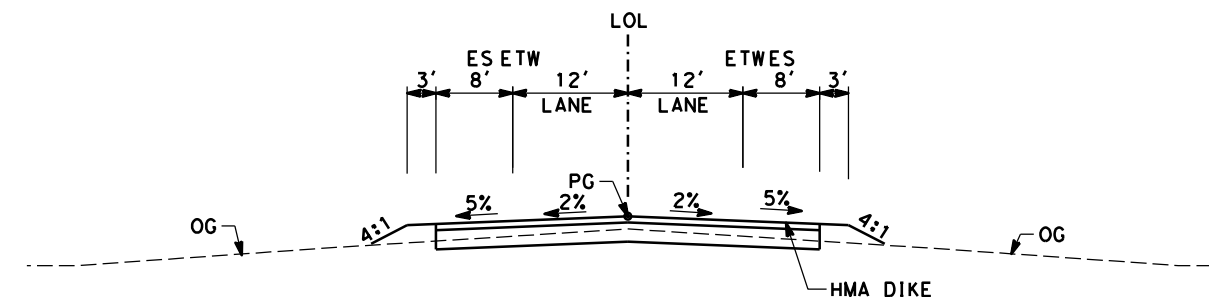
SECTION C

"NCN" 12+00.00 TO 30+00.00	"FSO" 8+50.00 TO 14+00.00
"FLIM" 2+00.00 TO 12+50.00	"FSO" 38+00.00 TO 41+00.00
"FADM" 2+00.00 TO 13+00.00	"FFL" 3+00.00 TO 7+00.00
"FMM" 3+00.00 TO 13+00.00	"FFL" 37+00.00 TO 42+00.00
"FSOM" 6+00.00 TO 16+50.00	



SECTION D

"FMN" 109+00.00 TO 119+84.50



SECTION E

"FADC" 4+00.00 TO 13+00.00	"FMN" 130+00.00 TO 135+00.00
"FSOC" 7+00.00 TO 14+00.00	"FNE" 7+00.00 TO 10+00.00
"FLIC" 17+00.00 TO 23+50.00	"FNE" 43+50.00 TO 51+60.00
"FLI" 7+50.00 TO 10+00.00	"FMV" 98+00.00 TO 102+00.00
"FLI" 36+00.00 TO 39+00.00	"FMV" 133+30.00 TO 138+00.00
"FAD" 7+50.00 TO 12+50.00	"FCS" 13+00.00 TO 16+00.00
"FAD" 36+00.00 TO 39+00.00	"FCN" 00+00.00 TO 28+50.00

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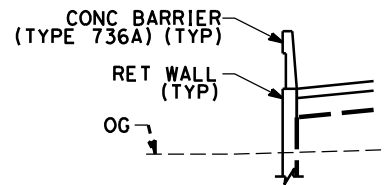
DESIGNED BY
B. Kidd
DRAWN BY
S. Partington
CHECKED BY
E. Koram
IN CHARGE
R. Treve
DATE
06/30/14

RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION

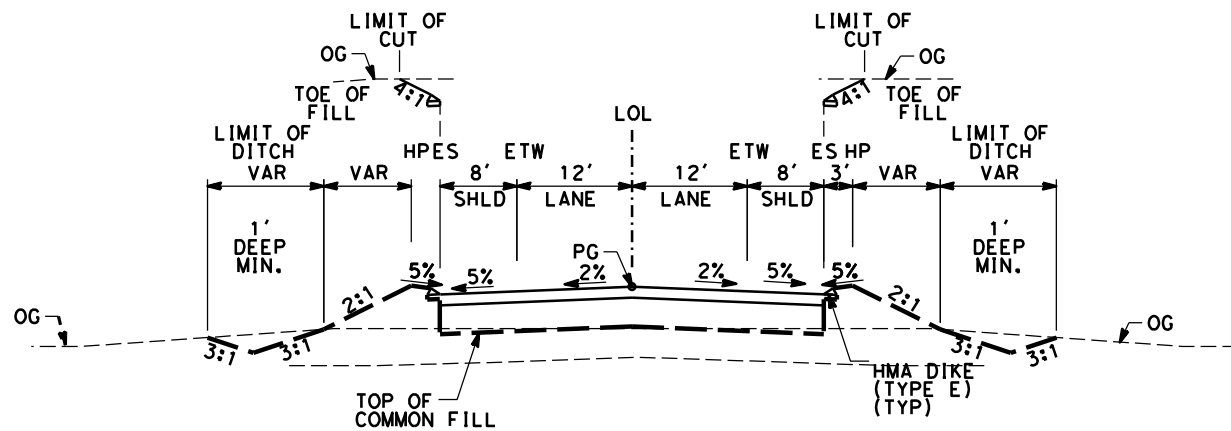


CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HANFORD SUBSECTION
ALIGNMENT H
TYPICAL SECTIONS

CONTRACT NO.
HST 06-0003
DRAWING NO.
T1010
SCALE
AS SHOWN
SHEET NO.



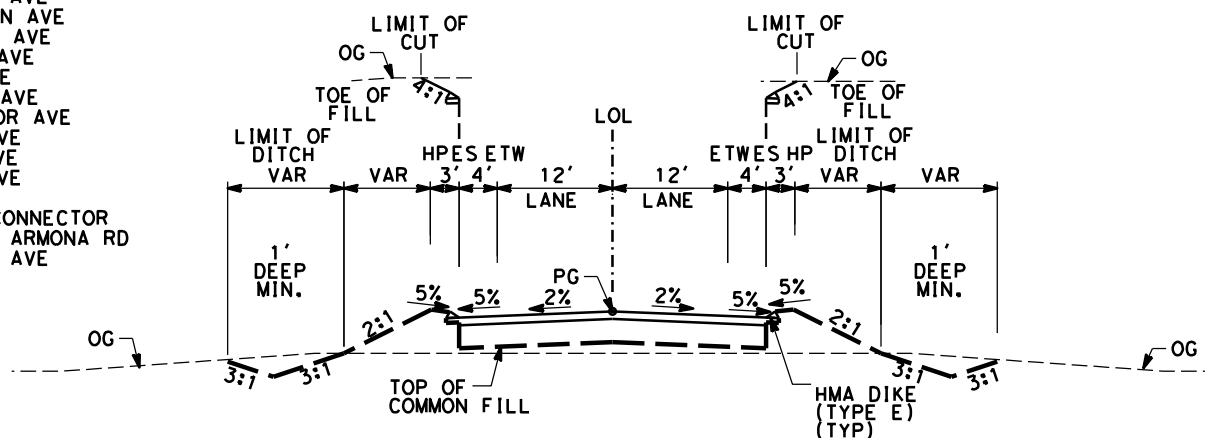
"KHO" 5+45.00 TO 12+00.00



SECTION A

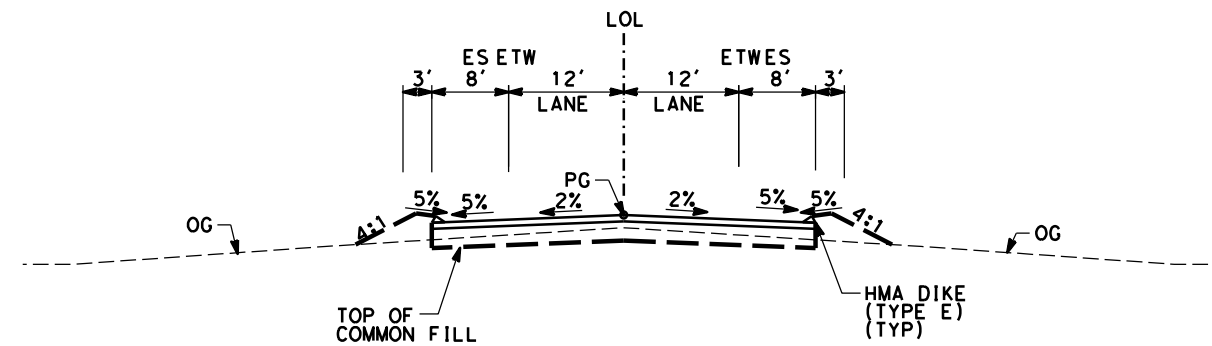
"FEL" 4+00.00 TO 19+79.00	"KEL" 28+57.50 TO 44+50.00
"FEL" 20+95.00 TO 37+00.00	"KFL" 8+00.00 TO 28+96.75
"FFO" 20+60.00 TO 36+00.00	"KFL" 29+72.75 TO 49+00.00
"FFO" 38+70.00 TO 54+00.00	"KHA" 4+50.00 TO 17+87.00
"KEX" 15+00.00 TO 26+91.00	"KHA" 18+63.00 TO 27+50.00
"KEX" 27+69.00 TO 43+00.00	"KHO" 3+50.00 TO 12+00.00
"KEL" 12+00.00 TO 27+80.00	"KHO" 18+38.00 TO 31+00.00

"FMI" E CLARKSON AVE
 "FCL" S CLOVIS AVE
 "FEL" E ELKHORN AVE
 "FFO" S FOWLER AVE
 "FDA" E DAVIS AVE
 "KDO" DOVER AVE
 "K8N/K8S" 8TH AVE
 "KEX" EXCELSIOR AVE
 "KEL" ELDER AVE
 "KFL" FLINT AVE
 "KFA" FARGO AVE
 "K7N" 7 1/2 AVE
 "K7" 7 1/2 AVE CONNECTOR
 "KHA" HANFORD ARMONA RD
 "KHO" HOUSTON AVE
 "KIO" IONA AVE



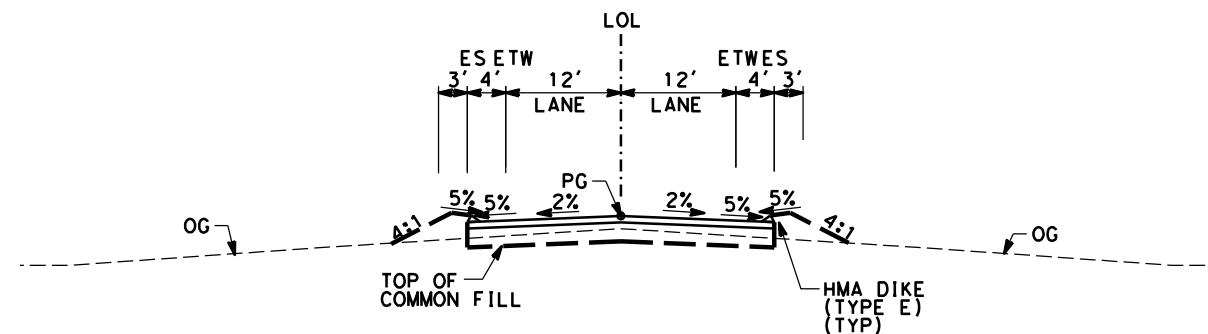
SECTION B

"FCL" 11+00.00 TO 28+07.00	"K8N" 22+00.00 TO 34+73.58
"FCL" 28+83.00 TO 45+00.00	"K8S" 10+00.00 TO 23+00.00
"FDA" 8+00.00 TO 24+88.25	"KFA" 11+00.00 TO 26+01.00
"FDA" 26+45.25 TO 42+80.00	"KFA" 27+53.00 TO 43+00.00
"KDO" 12+00.00 TO 26+50.00	"KIO" 3+00.00 TO 17+62.00
"KDO" 29+55.00 TO 44+00.00	"KIO" 18+38.00 TO 33+00.00



SECTION C

"FEL" 1+00.00 TO 4+00.00	"KEL" 44+60.00 TO 46+00.00
"FEL" 37+00.00 TO 39+00.00	"KFL" 6+00.00 TO 8+00.00
"FFO" 8+00.00 TO 20+60.00	"KFL" 49+00.00 TO 52+00.00
"FFO" 54+00.00 TO 59+00.00	"KHA" 0+88.49 TO 4+50.00
"KEX" 9+00.00 TO 15+00.00	"KHA" 27+50.00 TO 35+64.59
"KEX" 43+00.00 TO 47+00.00	"KHO" 1+00.00 TO 3+50.00
"KEL" 10+00.00 TO 12+00.00	"KHO" 31+00.00 TO 35+00.00



SECTION D

"K7" 0+00.00 TO 13+44.31	"K8N" 12+50.00 TO 22+00.00
"K7N" 0+50.00 TO 12+05.95	"K8S" 23+00.00 TO 25+00.00
"FMI" 0+00.00 TO 32+77.19	"KDO" 10+00.00 TO 12+00.00
"FCL" 8+00.00 TO 11+00.00	"KDO" 44+00.00 TO 46+00.00
"FCL" 45+00.00 TO 52+00.00	"KFA" 9+00.00 TO 11+00.00
"FDA" 6+00.00 TO 8+00.00	"KFA" 43+00.00 TO 45+00.00
"FDA" 42+80.00 TO 45+00.00	"KIO" 0+29.73 TO 3+00.00
	"KIO" 33+00.00 TO 35+31.38

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DESIGNED BY
B. Kidd
 DRAWN BY
S. Partington
 CHECKED BY
E. Karam
 IN CHARGE
R. Treve
 DATE
06/30/14

RECORD SET 15%
 DESIGN SUBMISSION
 NOT FOR
 CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
 FRESNO TO BAKERSFIELD
 HANFORD SUBSECTION
 ALIGNMENT H
 TYPICAL SECTIONS

CONTRACT NO.
HST 06-0003
 DRAWING NO.
T1011
 SCALE
AS SHOWN
 SHEET NO.

partingtonsa 10/13/2014 7:21:54 PM c:\pwworking\ndi\partingtonsa\d0167585\TYPICALS_T1012.dgn

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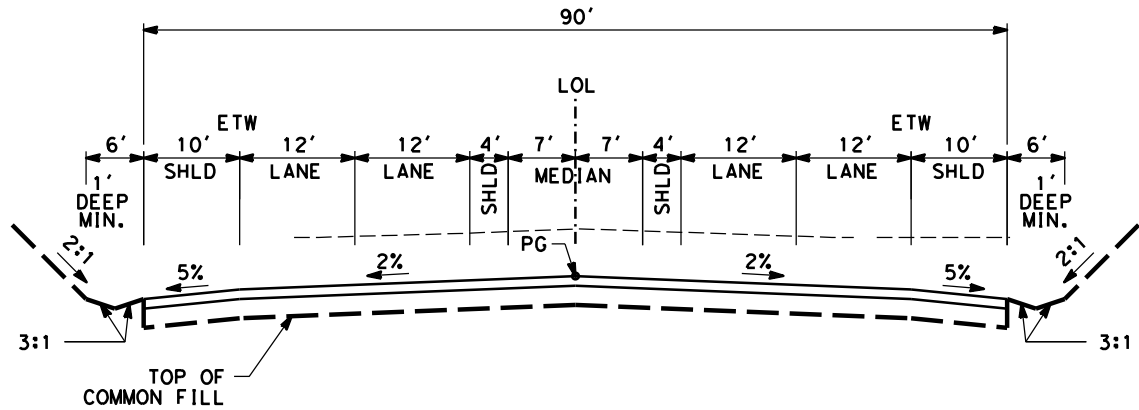
DESIGNED BY B. Kidd
DRAWN BY S. Partington
CHECKED BY E. Karam
IN CHARGE R. Treve
DATE 07/22/14

RECORD SET 15% DESIGN SUBMISSION
NOT FOR CONSTRUCTION

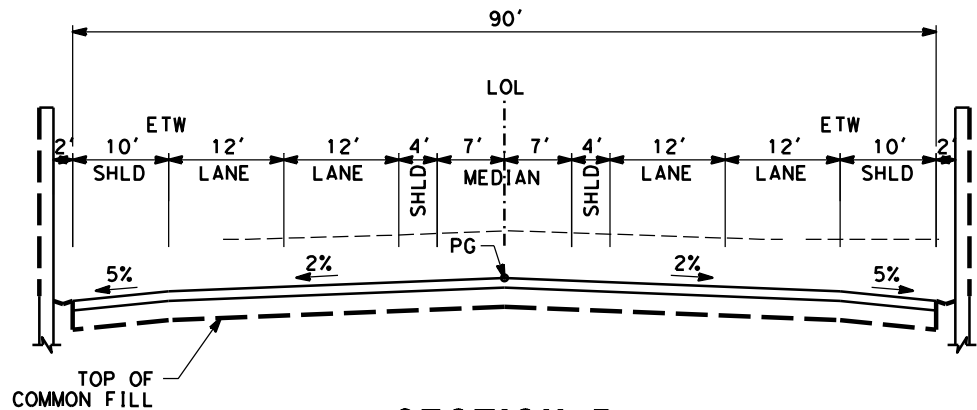


CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD HANFORD SUBSECTION ALIGNMENT H TYPICAL SECTIONS

CONTRACT NO. HST 06-0003
DRAWING NO. T1012
SCALE AS SHOWN
SHEET NO.

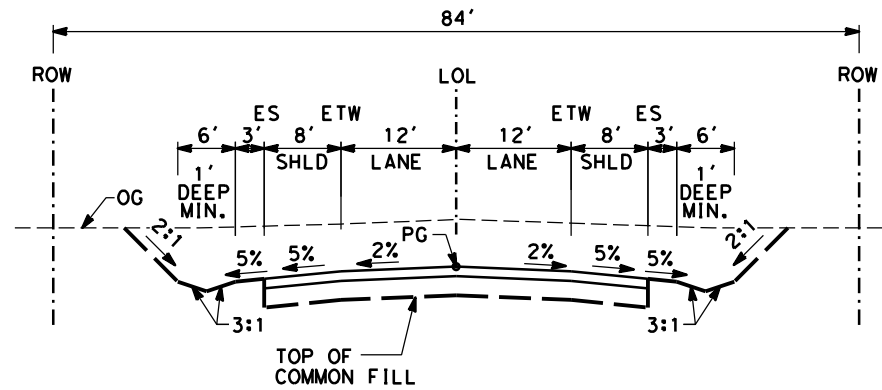


SECTION A
"SR198" 12+03.71 TO 37+64.16
"SR198" 38+54.16 TO 53+07.32

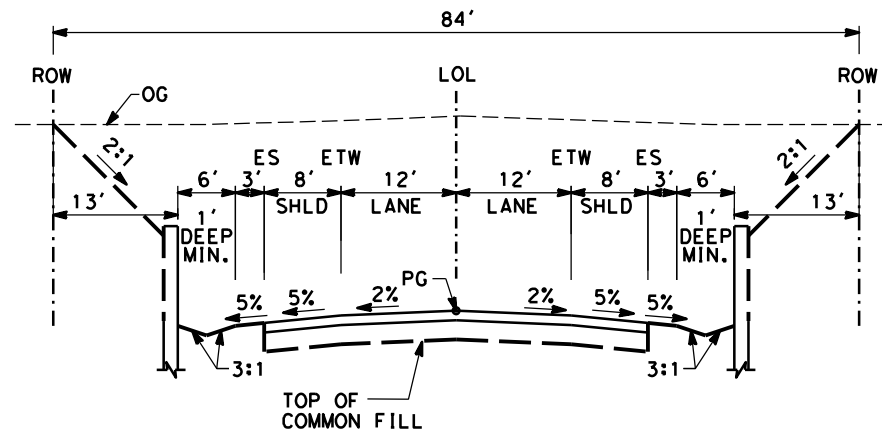


SECTION B
"SR198" 37+64.16 TO 38+54.16

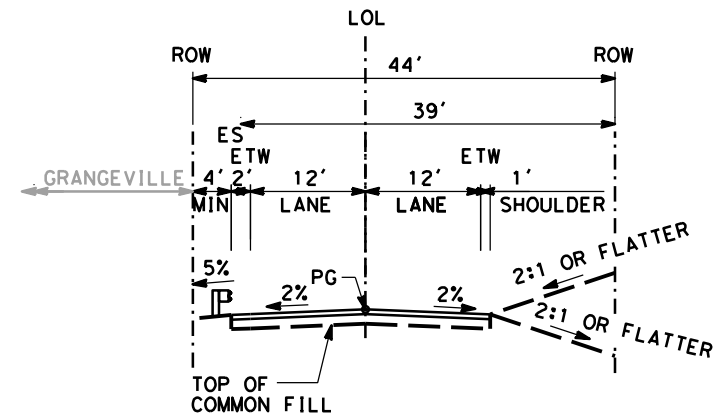
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SECTION B
"WKGR" 18+78 TO 30+90
"WKGR" 42+80 TO 54+19



SECTION C
"WKGR" 30+90 TO 42+80



SECTION D
"XX" 10+20 TO 15+60

DISCLAIMER:
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DESIGNED BY
B. Kidd
DRAWN BY
S. Partington
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE
07/22/14

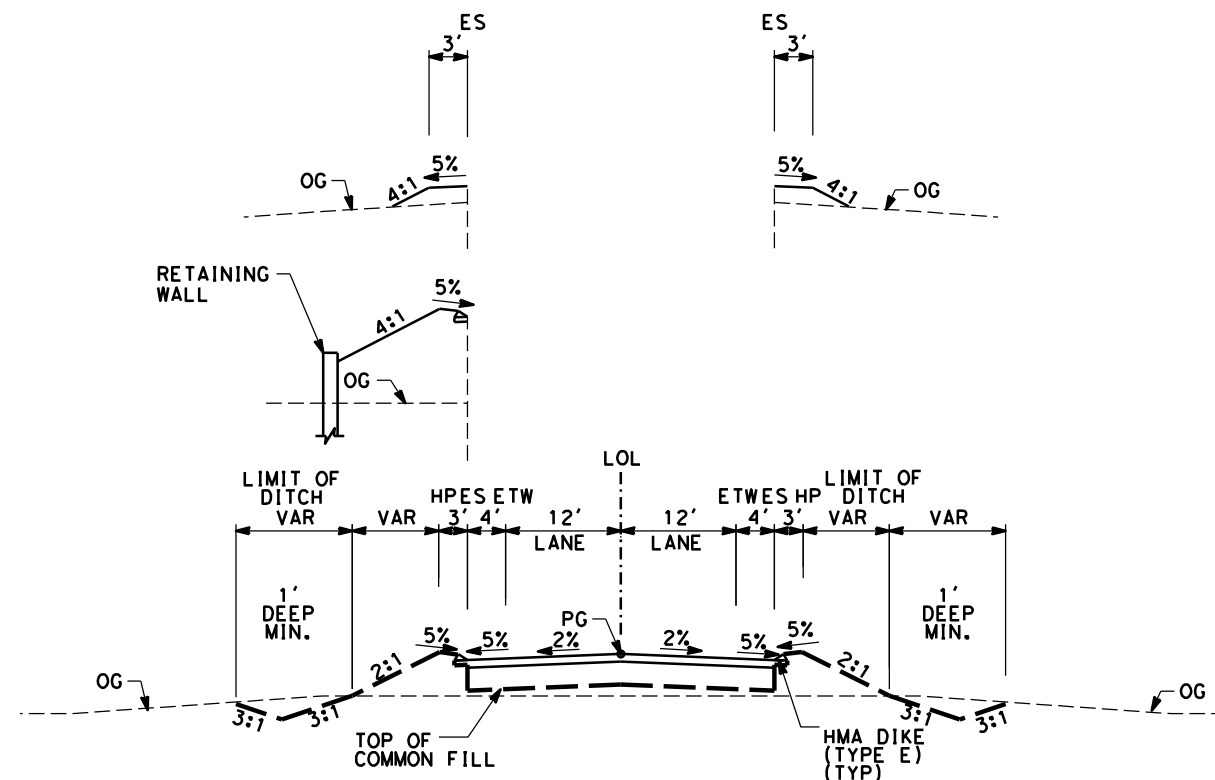
RECORD SET 15%
DESIGN SUBMISSION
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CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

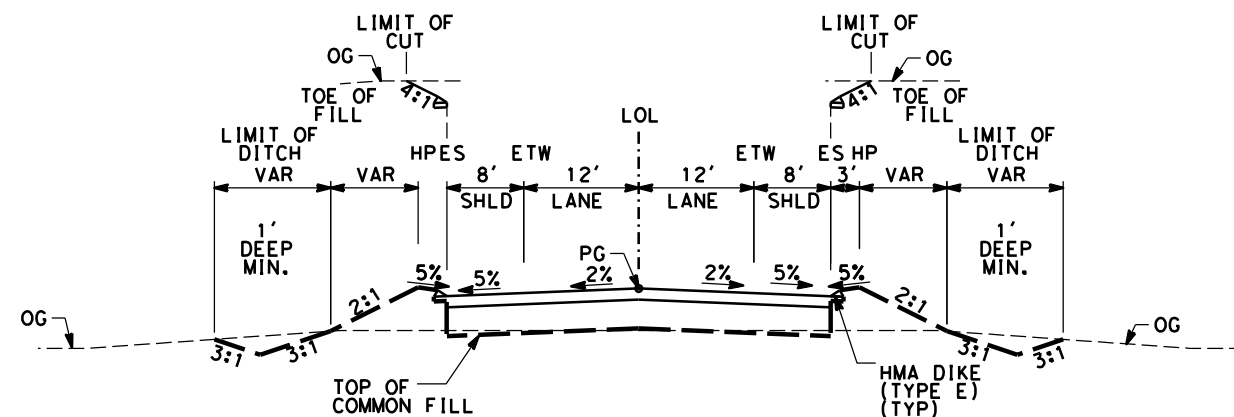
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
GRANGEVILLE BLVD
TYPICAL SECTIONS
ACT 17

CONTRACT NO.
HST 06-0003
DRAWING NO.
T1013
SCALE
AS SHOWN
SHEET NO.



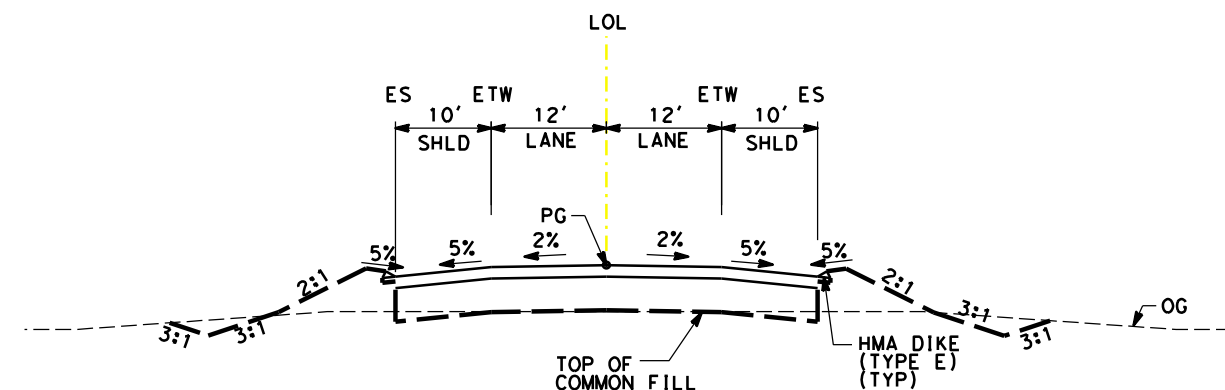
SECTION A

"KID"	10+00.00	TO	27+50.25
"KID"	28+26.25	TO	46+00.00
"KJE"	1+00.00	TO	10+00.00
"KKE"	11+00.00	TO	32+92.75
"KKE"	33+72.75	TO	50+00.00
"KKA"	19+00.00	TO	44+11.50
"KKA"	44+87.50	TO	72+50.00



SECTION B

"KJA" 11+00.00 TO 26+53.75
"KJA" 27+31.75 TO 47+00.00



"SR43J" 9+14.84 TO 31+13.60
"SR43J" 33+53.60 TO 55+77.32

"KID" IDAHO AVE
"KJA" JACKSON AVE
"SR43J" SR-43 (AT JERSEY AVE)
"KJE" JERSEY AVE
"KKE" KENT AVE
"KKA" KANSAS AVE

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N	DESIGNED BY B. Kidd
	DRAWN BY S. Partington
	CHECKED BY E. Karam
T	IN CHARGE R. Trevett
	DATE 06/30/14

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DESIGN SUBMISSION**

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CONSTRUCTION**

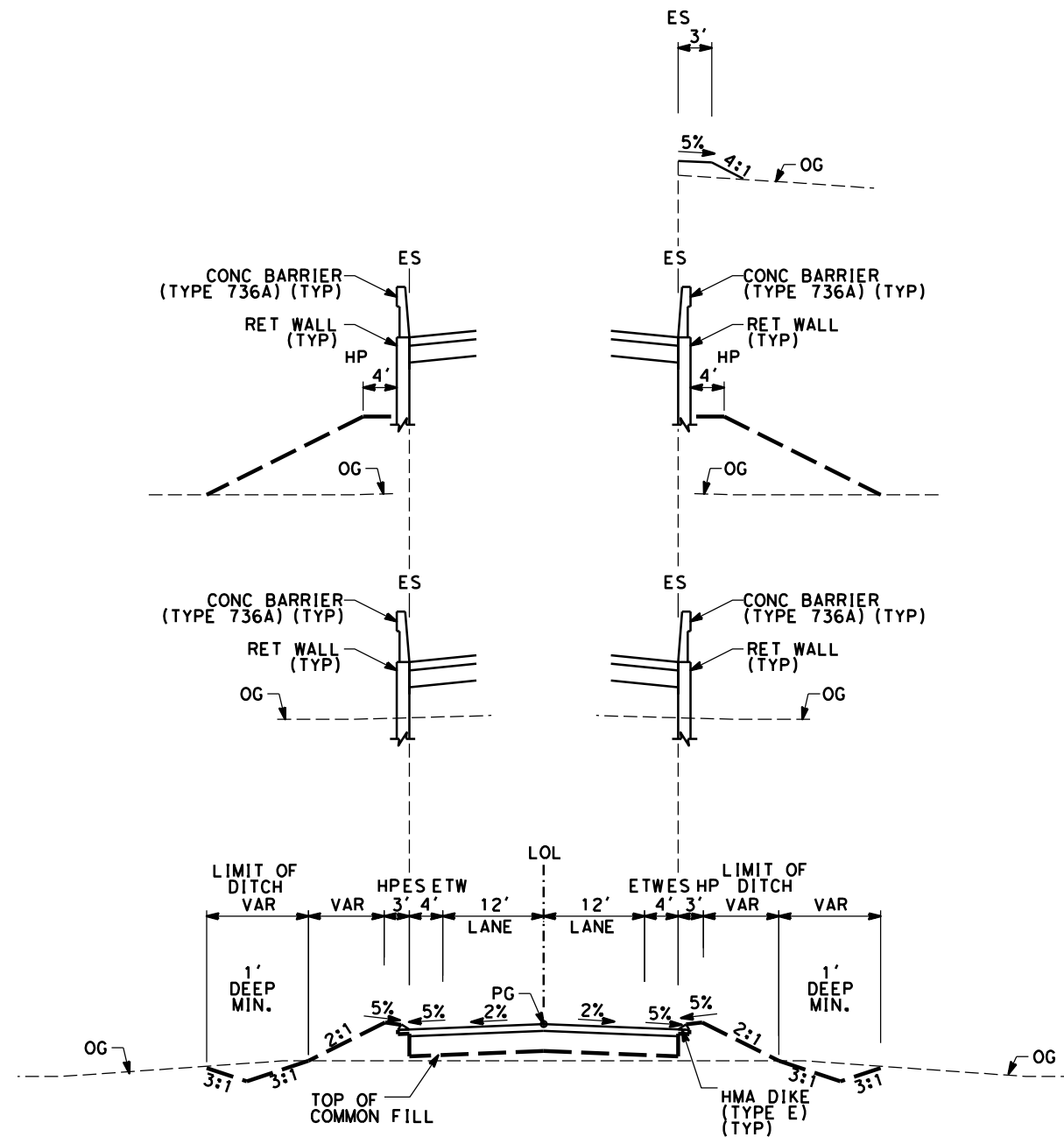


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
HANFORD SUBSECTION
ALIGNMENT K4
TYPICAL SECTIONS**

CONTRACT NO.	HST 06-0003
DRAWING NO.	T1015
SCALE	AS SHOWN
SHEET NO.	

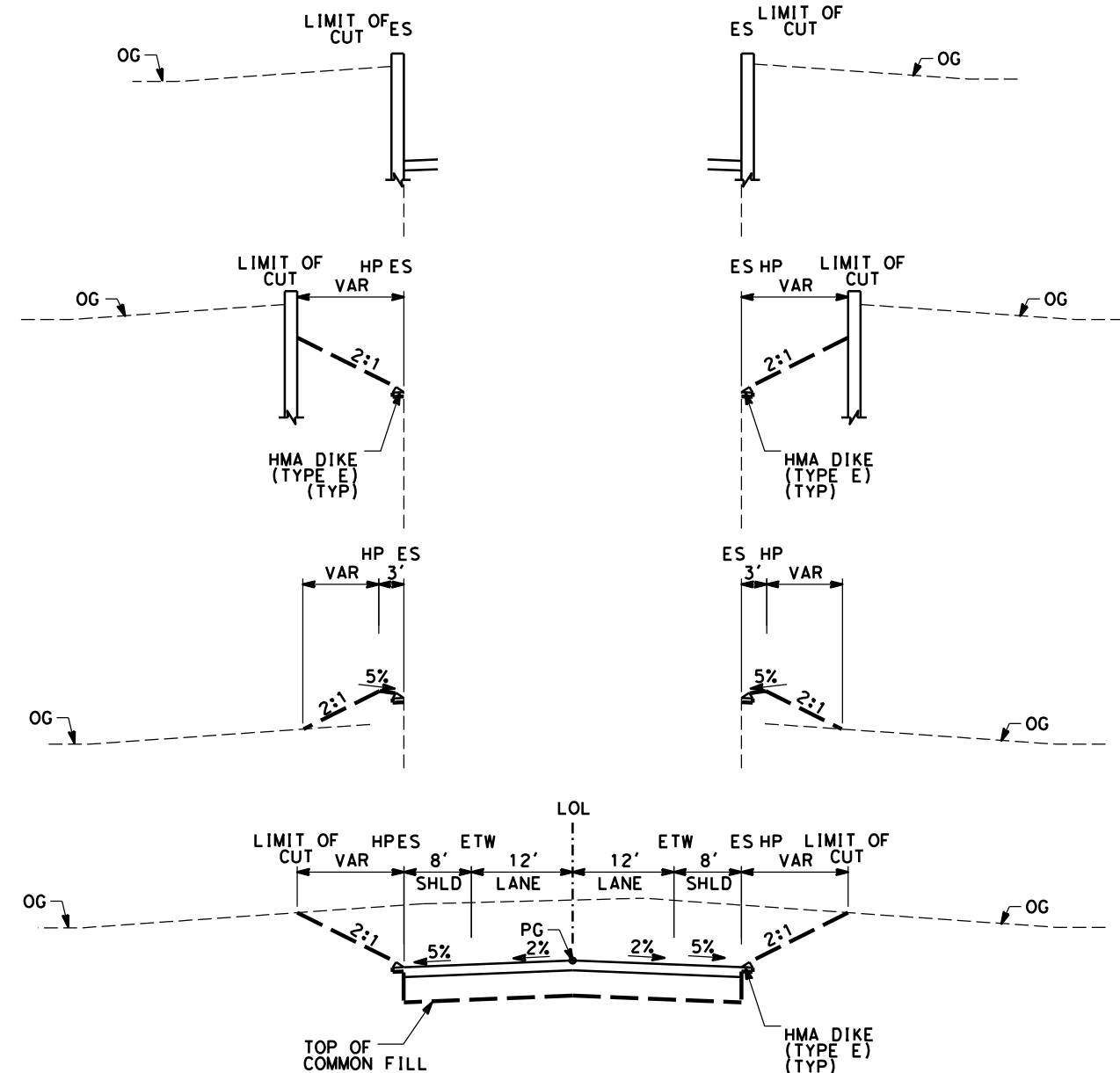
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SECTION A

"KNE" 2+00.00 TO 16+00.00
"KNE" 22+60.00 TO 39+53.81
"KWA" 11+80.00 TO 26+17.75
"KWA" 27+97.25 TO 42+70.80

"KNE" NEVADA AVE
"KNEC" NEVADA AVE CONNECTOR
"KWA" CORCORAN HWY
"K5A" 5TH AVE/ORANGE AVE
"KOR" ORANGE CONNECTOR
"SR137" WHITLEY AVE / STATE ROUTE 137
"KNW" NILE AVE
"K5H" 5 1/2 AVE



SECTION B

"SR137" 10+39.23 TO 33+00.00

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DESIGNED BY
B. Kidd
DRAWN BY
S. Partington
CHECKED BY
E. Karam
IN CHARGE
R. Treveatt
DATE
06/30/14

RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION

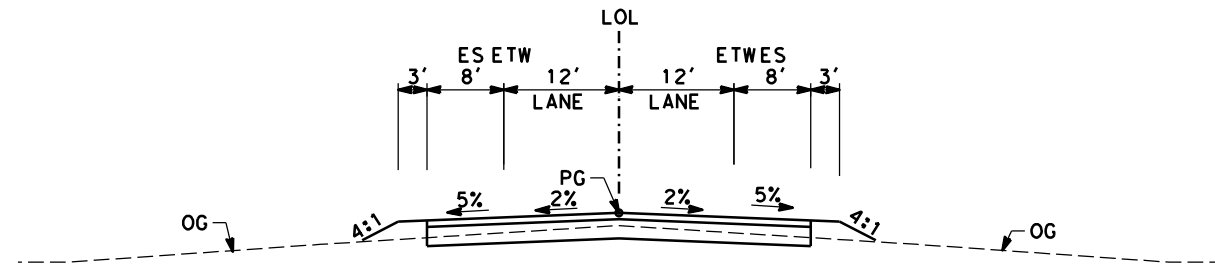


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT K4
TYPICAL SECTIONS

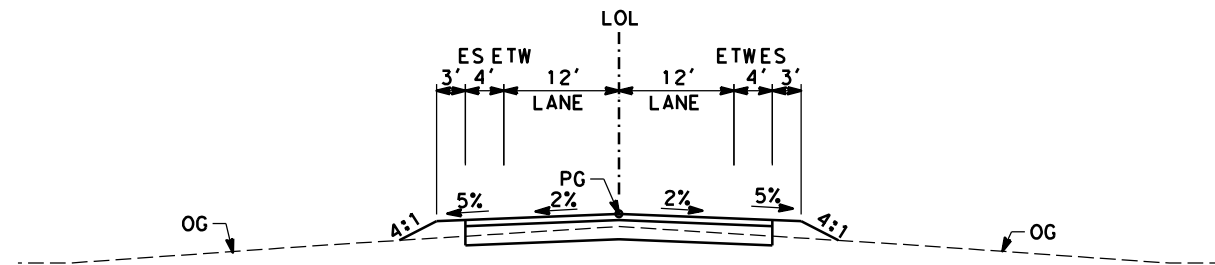
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DRAWING NO.
T1016
SCALE
AS SHOWN
SHEET NO.

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SECTION C

"KOR" 10+00.00 TO 21+26.50



SECTION D

"KNEC" 0+00.00 TO 18+42.83
"KNW" 10+00.00 TO 29+01.11
"K5H" 1+00.00 TO 17+50.00
"K5A" 0+00.00 TO 22+57.76

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DESIGNED BY	B. Kidd
DRAWN BY	S. Partington
CHECKED BY	E. Karam
IN CHARGE	R. Treve
DATE	06/30/14

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

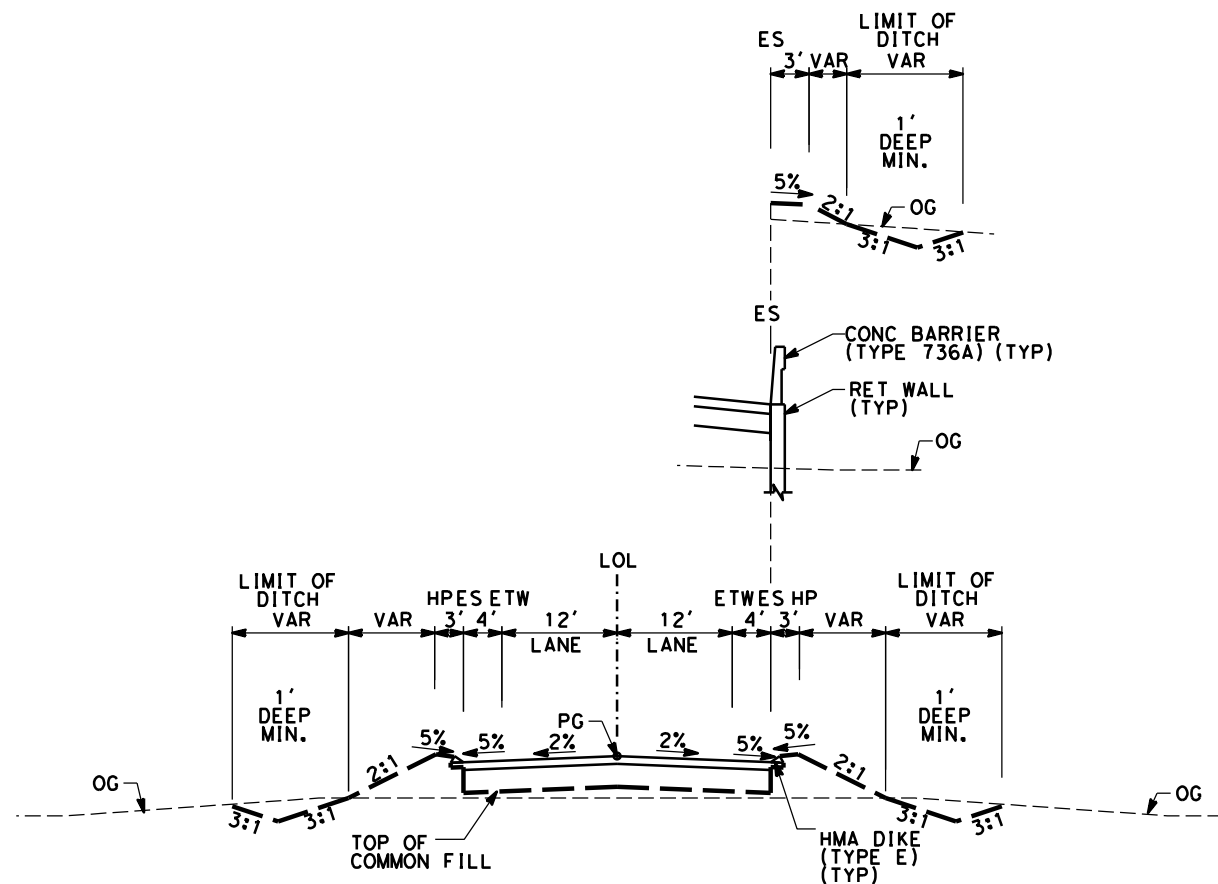


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

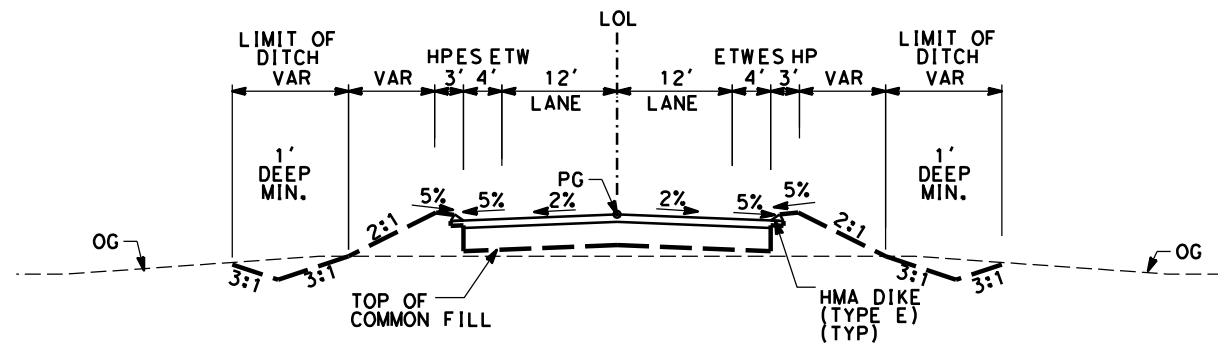
**HANFORD SUBSECTION
ALIGNMENT K4
TYPICAL SECTIONS**

CONTRACT NO.	HST 06-0003
DRAWING NO.	T1017
SCALE	AS SHOWN
SHEET NO.	

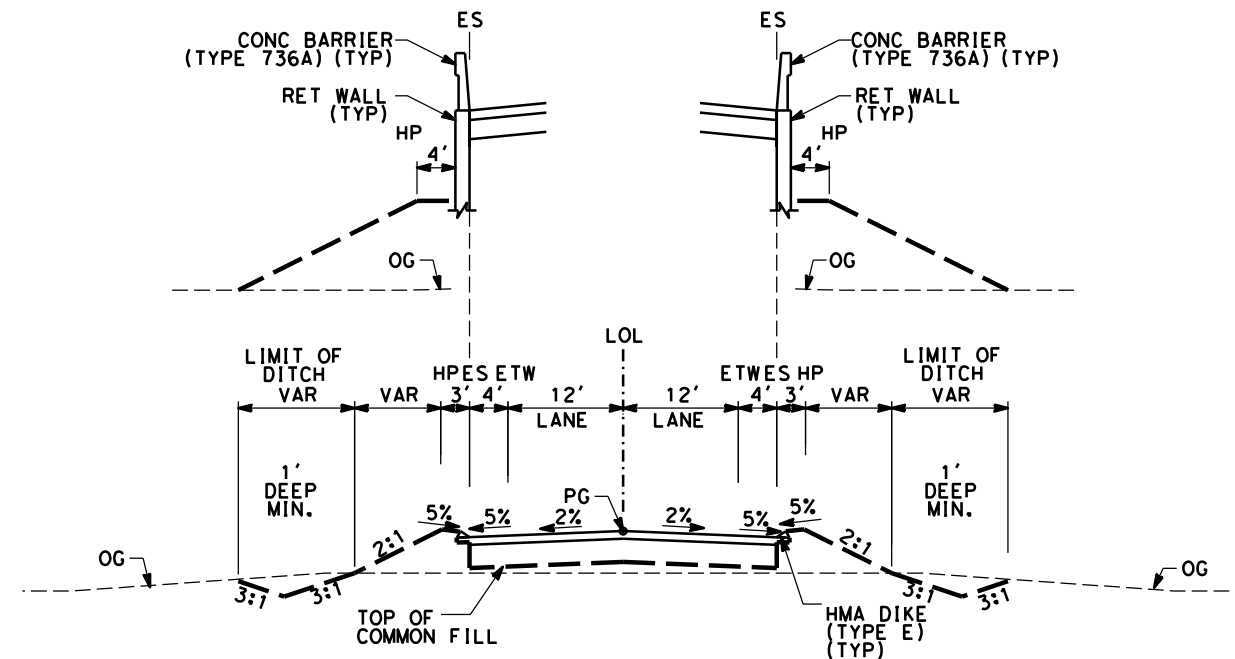
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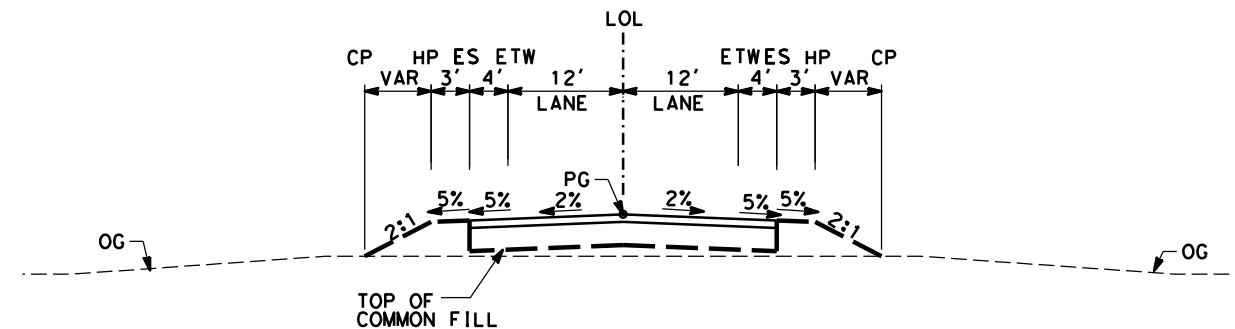
SECTION A
"HA" 8+38.32 TO 24+51.00
"HA" 27+88.00 TO 43+00.00



SECTION B
"HA1" 52+64.01 TO 71+66.55



SECTION C
"A88" 30+00.00 TO 49+51.00
"A88" 52+81.00 TO 65+14.15



SECTION D
"A88C" 10+85.00 TO 22+93.09

"A88" AVENUE 88
"A88C" AVENUE 88 CONNECTOR
"HA" HESSE AVE
"HA1" HESSE AVE INTERSECTION

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DESIGNED BY
B. Kidd
DRAWN BY
S. Partington
CHECKED BY
E. Karam
IN CHARGE
R. Treveatt
DATE
06/30/14

**RECORD SET 15%
DESIGN SUBMISSION**

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CONSTRUCTION**

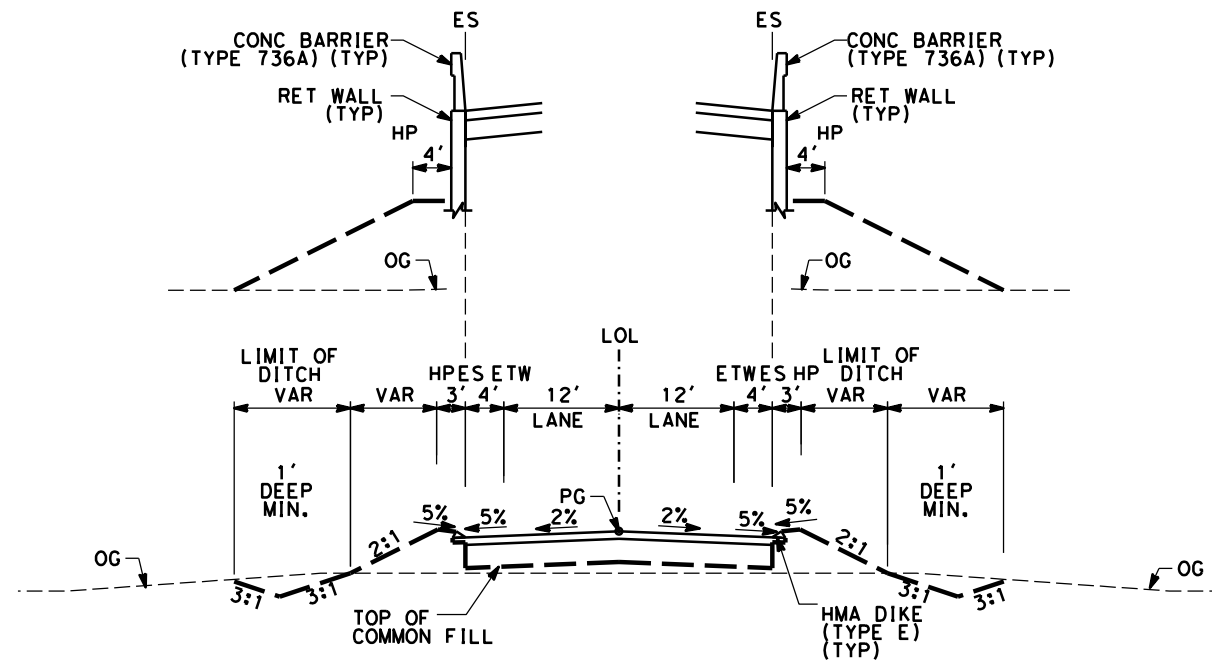


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT P
TYPICAL SECTIONS

CONTRACT NO.
HST 06-0003
DRAWING NO.
T1018
SCALE
AS SHOWN
SHEET NO.

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SECTION A

"J22" 32+50.00 TO 48+23.50
"J22" 49+14.50 TO 64+50.00

"J22" COUNTY ROAD J22

DISCLAIMER:
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DESIGNED BY
B. Kidd
DRAWN BY
S. Partington
CHECKED BY
E. Karam
IN CHARGE
R. Treve
DATE
06/30/14

**RECORD SET 15%
DESIGN SUBMISSION**

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CONSTRUCTION**

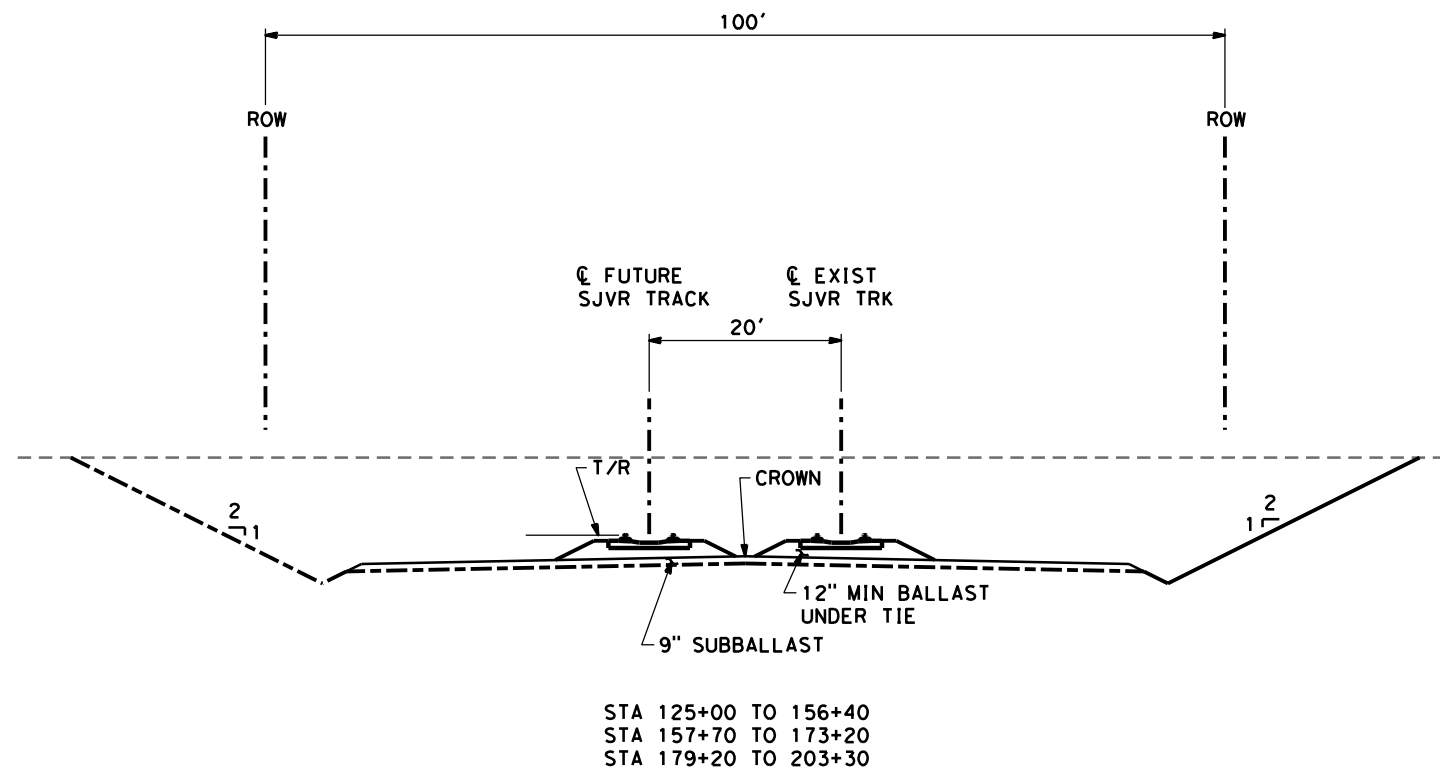
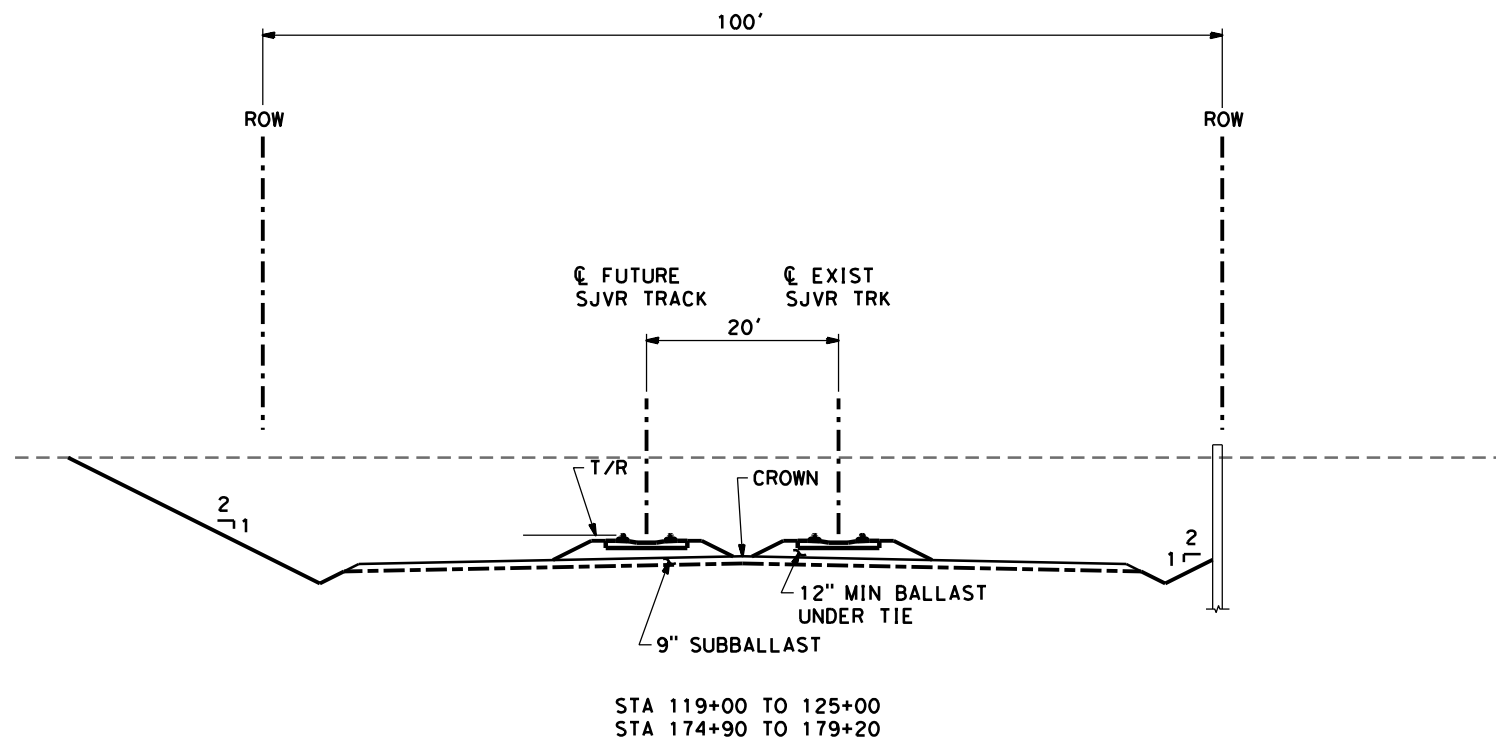
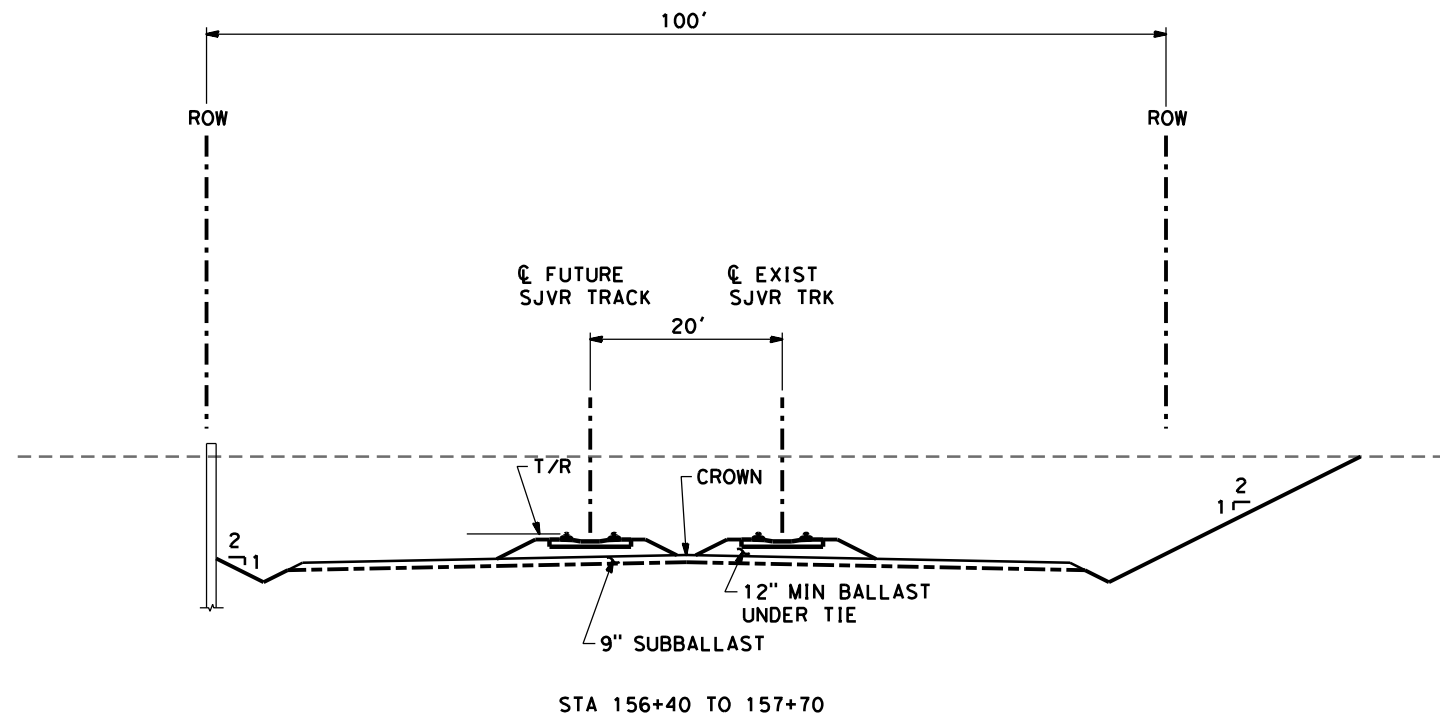
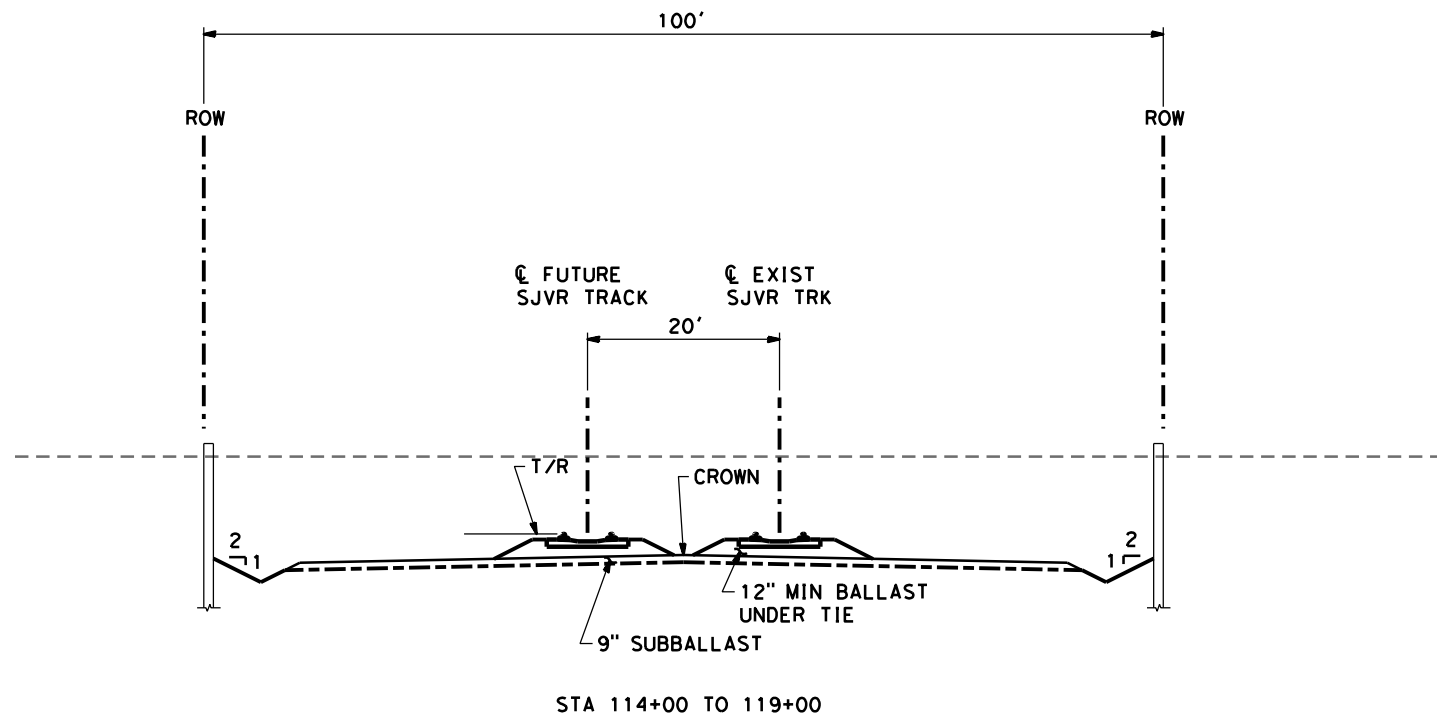


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT A1
TYPICAL SECTIONS

CONTRACT NO.
HST 06-0003
DRAWING NO.
T1019
SCALE
AS SHOWN
SHEET NO.

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DESIGNED BY
M. LOPEZ-DUBOIS
DRAWN BY
P. BARNEY
CHECKED BY
E. KORAM
IN CHARGE
R. TREVE
DATE
07/02/14

RECORD SET 15%
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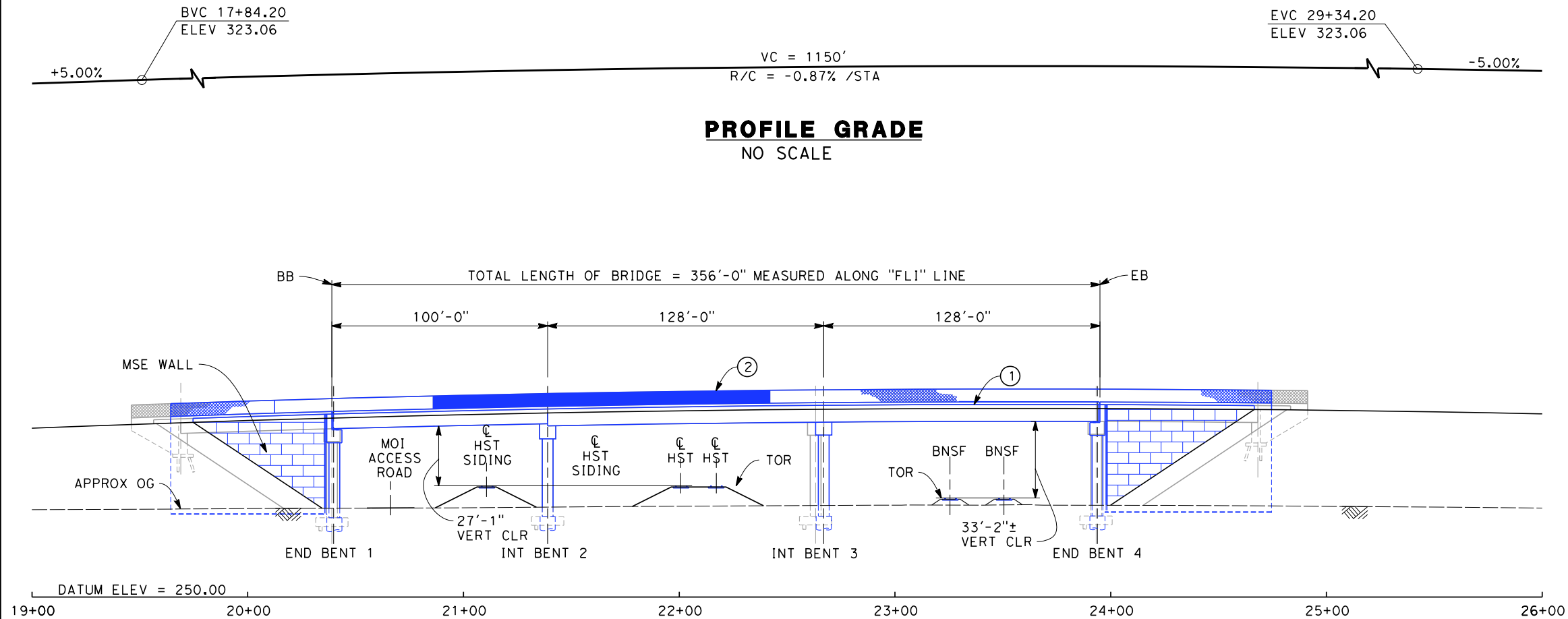


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
SJVRR
TYPICAL SECTIONS

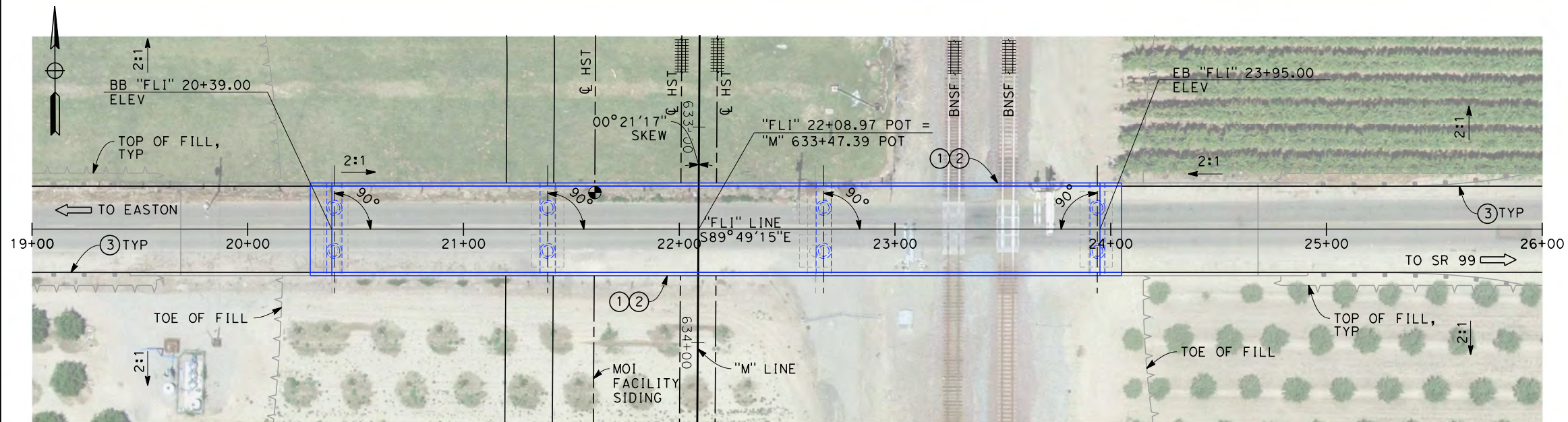
ATC 17

CONTRACT NO.
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DRAWING NO.
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SHEET NO.

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ELEVATION
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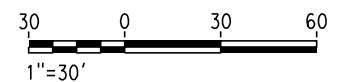


PLAN
SCALE: 1"=30'

- NOTES:
1. ALL PILES NOT SHOWN
 2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

LEGEND:

- ① CONCRETE BARRIER WITH AR FENCE
② AR FENCE WITH SOLID PLATE OVER HST
③ MBGR
- RFP DESIGN
— DFS PROPOSED



REDUCTION IN CONSTRUCTION LIMITS

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DESIGNED BY
C. CAYWOOD
DRAWN BY
M. SPURGEON
CHECKED BY
D. JONES
IN CHARGE
R. TREVETT
DATE
10/09/14

**RECORD SET 15%
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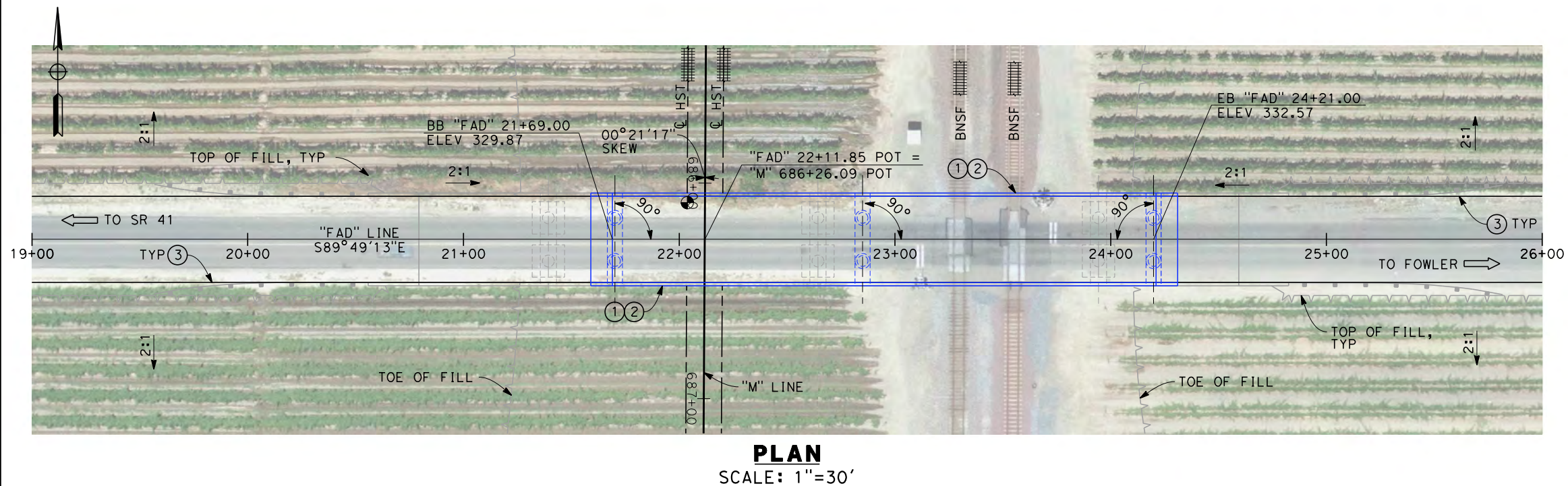
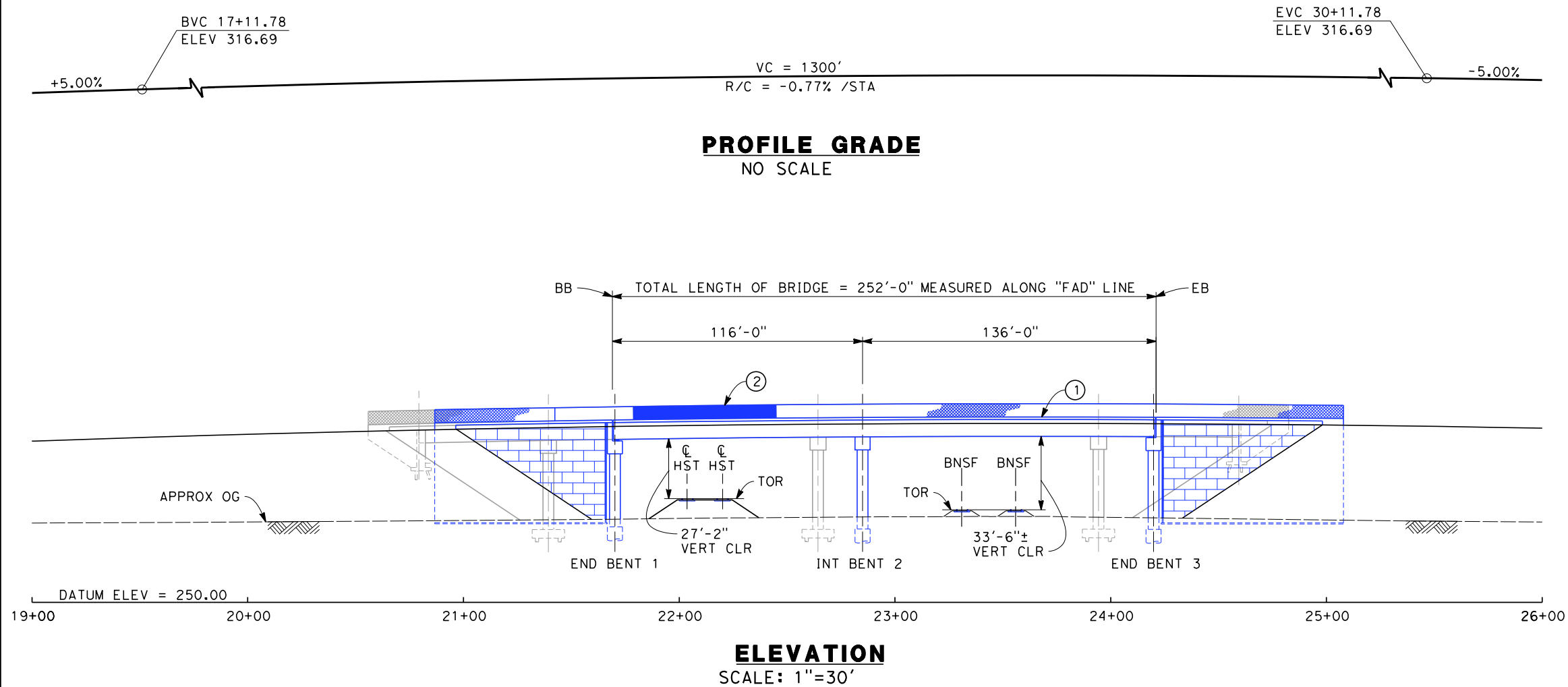
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

MONMOUTH SUBSECTION
ALIGNMENT M
OVERHEAD PLANNING STUDY
E LINCOLN AVE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
ST2101
SCALE
AS SHOWN
SHEET NO.
2 OF 9

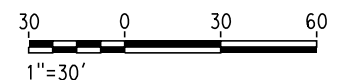
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- NOTES:
1. ALL PILES NOT SHOWN
 2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

LEGEND:

- ① CONCRETE BARRIER WITH AR FENCE
② AR FENCE WITH SOLID PLATE OVER HST
③ MBGR
- RFP DESIGN
— DFS PROPOSED



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DESIGNED BY
C. CAYWOOD
DRAWN BY
M. SPURGEON
CHECKED BY
D. JONES
IN CHARGE
R. TREVETT
DATE
10/9/14

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DESIGN SUBMISSION**

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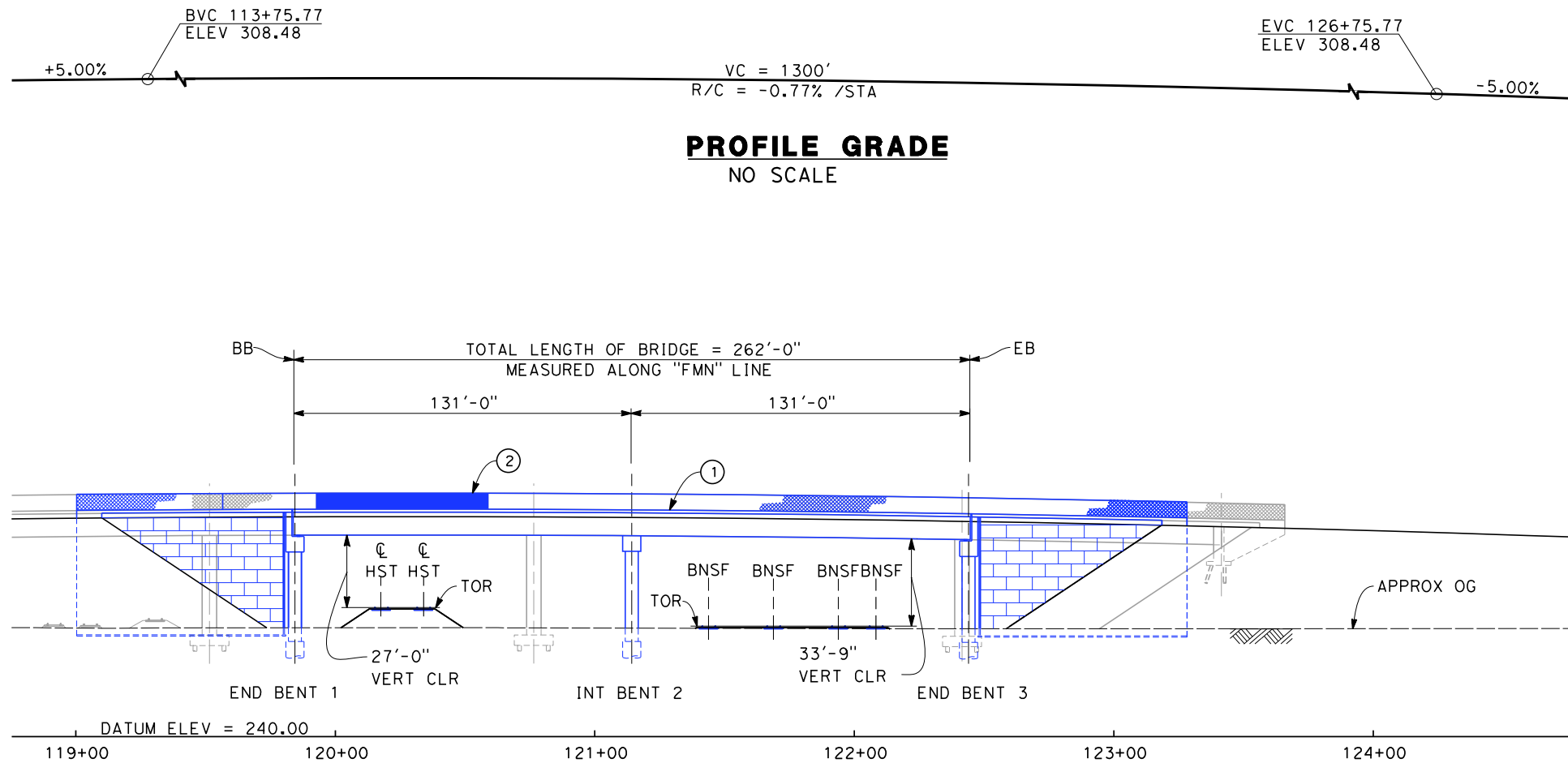


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
MONMOUTH SUBSECTION
ALIGNMENT M
OVERHEAD PLANNING STUDY
E ADAMS AVE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
ST2103
SCALE
AS SHOWN
SHEET NO.
3 OF 9

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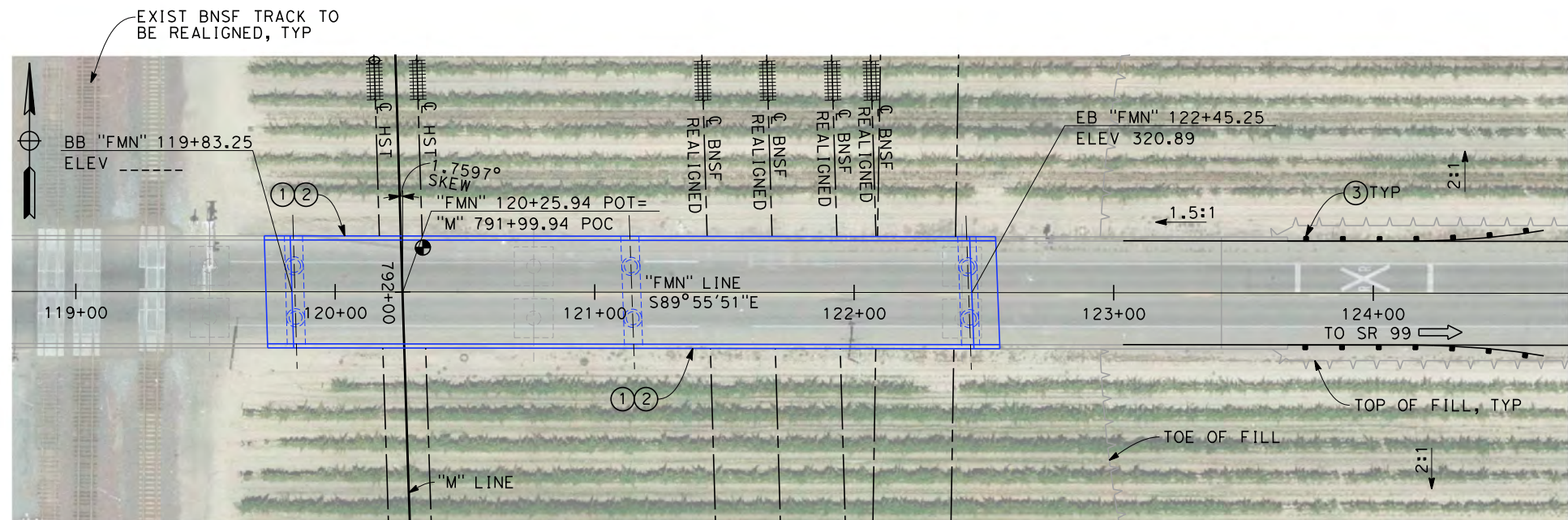


PROFILE GRADE

NO SCALE

ELEVATION

SCALE: 1"=30'

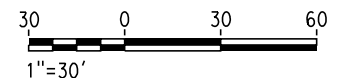


PLAN

SCALE: 1"=30'

- NOTES:
1. ALL PILES NOT SHOWN
 2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

- LEGEND:
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 - ② AR FENCE WITH SOLID PLATE OVER HST
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DESIGNED BY
C. CAYWOOD
DRAWN BY
M. SPURGEON
CHECKED BY
D. JONES
IN CHARGE
R. TREVETT
DATE
10/09/14

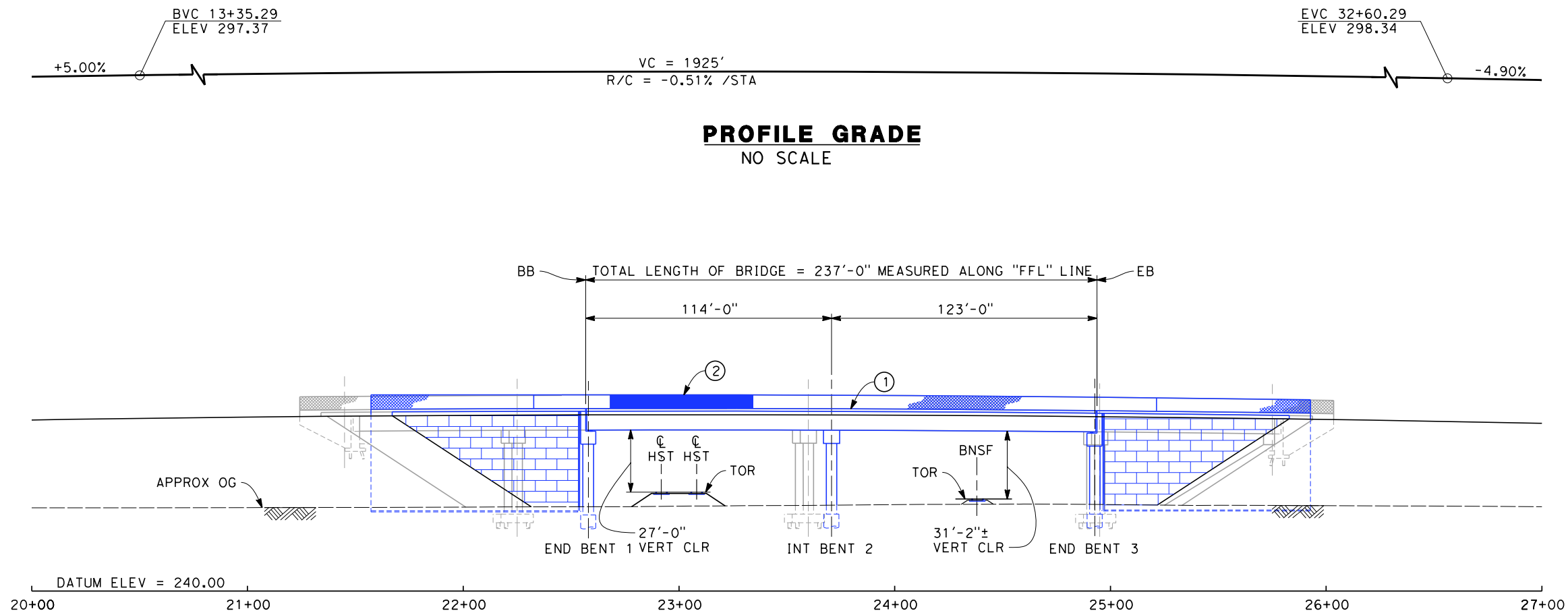
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NOT FOR
CONSTRUCTION



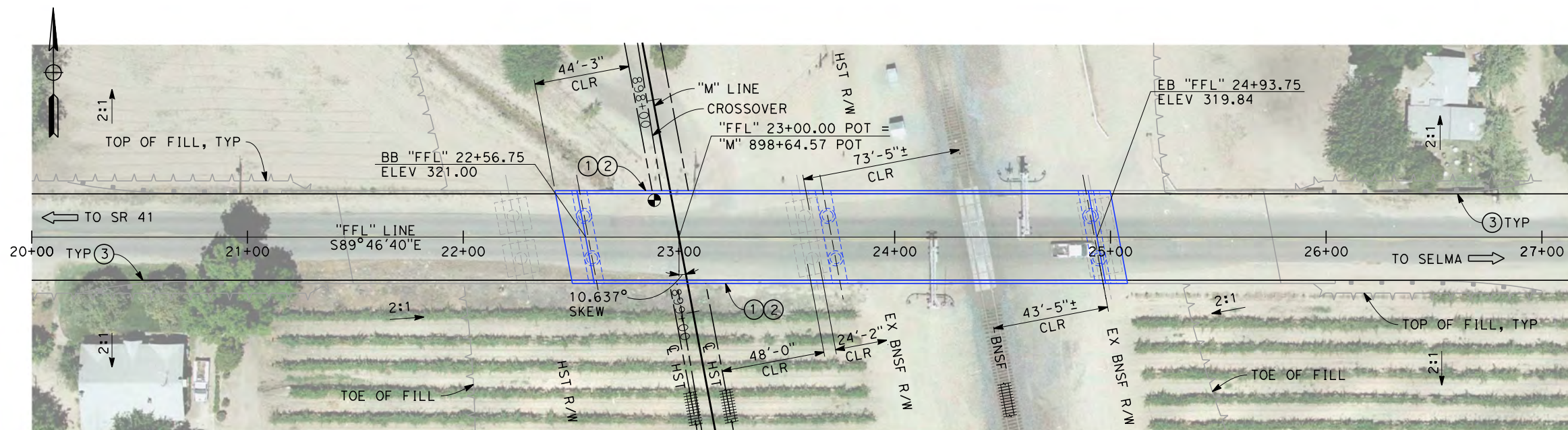
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
MONMOUTH SUBSECTION
ALIGNMENT M
OVERHEAD PLANNING STUDY
E MANNING AVE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
ST2107
SCALE
AS SHOWN
SHEET NO.
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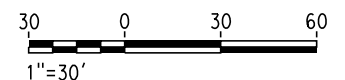
ELEVATION
SCALE: 1"=30'



PLAN
SCALE: 1"=30'

- NOTES:
1. ALL PILES NOT SHOWN
 2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

- LEGEND:
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 - ② AR FENCE WITH SOLID PLATE OVER HST
 - ③ MBGR
- RFP DESIGN
— DFS PROPOSED



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DESIGNED BY
C. CAYWOOD
DRAWN BY
M. SPURGEON
CHECKED BY
D. JONES
IN CHARGE
R. TREVETT
DATE
10/09/14

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

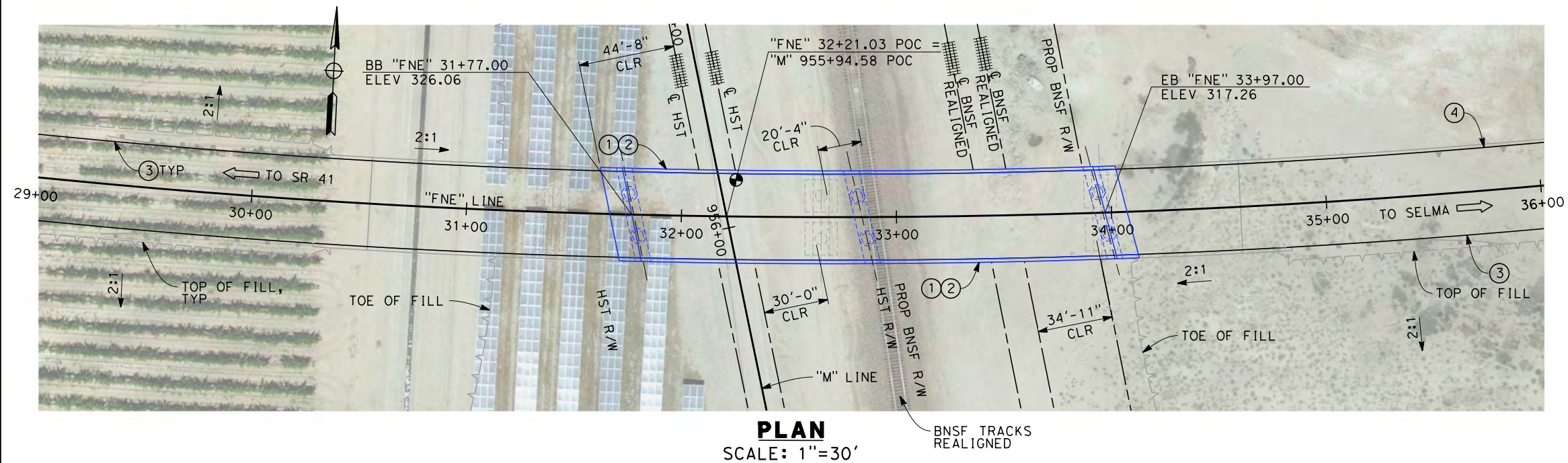
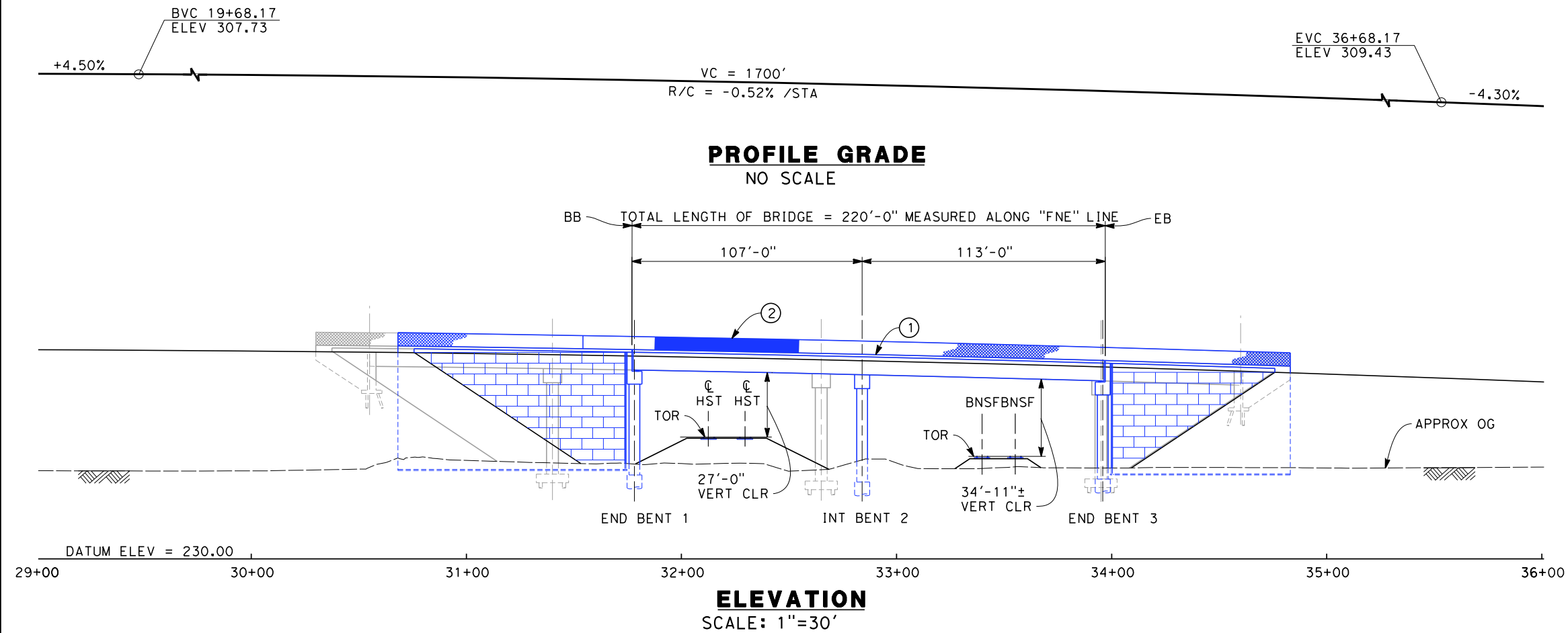


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
MONMOUTH SUBSECTION
ALIGNMENT M
OVERHEAD PLANNING STUDY
E FLORAL AVE

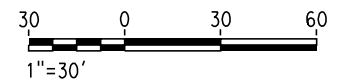
CONTRACT NO.
HSR 06-0003
DRAWING NO.
ST2109
SCALE
AS SHOWN
SHEET NO.
7 OF 9

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hal\id



- NOTES:
1. ALL PILES NOT SHOWN
 2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

- LEGEND:
- ① CONCRETE BARRIER WITH AR FENCE
 - ② AR FENCE WITH SOLID PLATE OVER HST
 - ③ MBGR
 - ④ RETAINING WALL
- RFP DESIGN
- DFS PROPOSED



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DESIGNED BY
C. CAYWOOD

DRAWN BY
M. SPURGEON

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D. JONES

IN CHARGE
R. TREVETT

DATE
10/09/14

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DESIGN SUBMISSION

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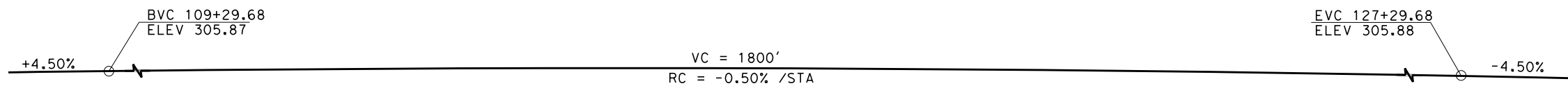
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
MONMOUTH SUBSECTION
ALIGNMENT M
OVERHEAD PLANNING STUDY
E NEBRASKA AVE

CONTRACT NO.
HSR 06-0003

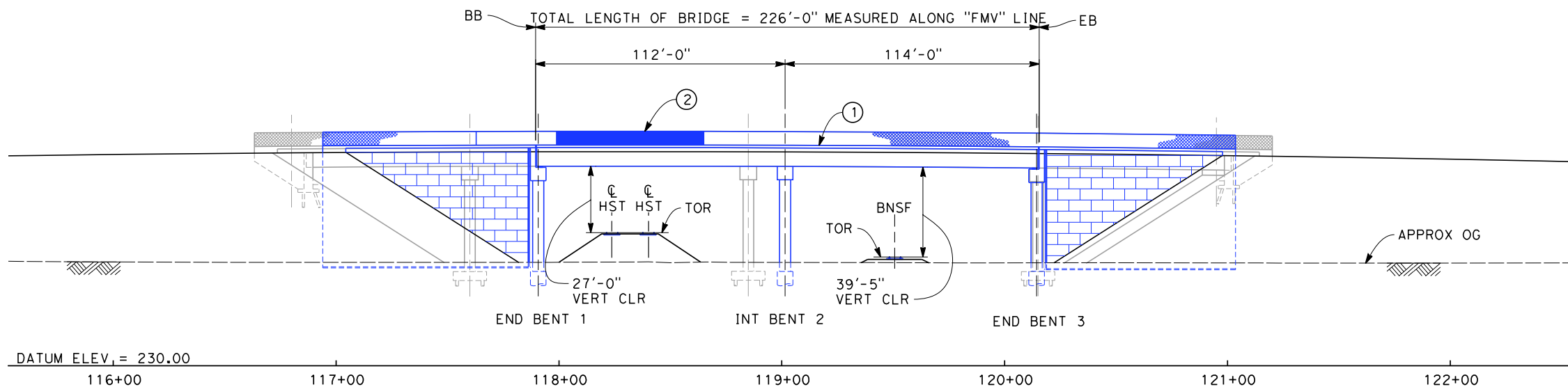
DRAWING NO.
ST2111

SCALE
AS SHOWN

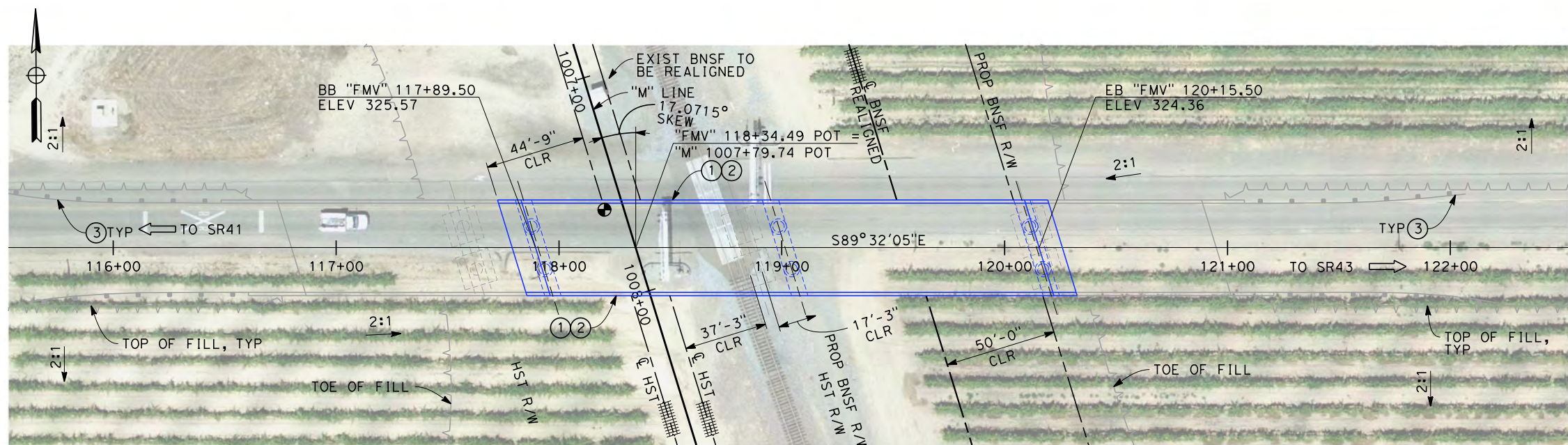
SHEET NO.
8 OF 9



PROFILE GRADE NO SCALE



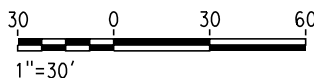
ELEVATION SCALE: 1"=30'



PLAN SCALE: 1"=30'

- NOTES:
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 2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.
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DESIGNED BY
C. CAYWOOD
DRAWN BY
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D. JONES
IN CHARGE
R. TREVETT
DATE
10/09/14

**RECORD SET 15%
DESIGN SUBMISSION**

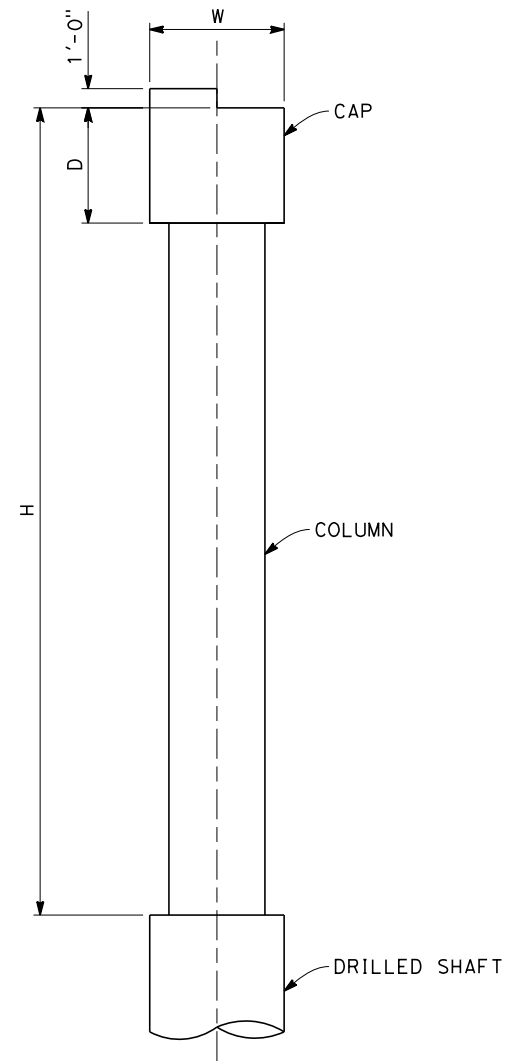
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CONSTRUCTION**



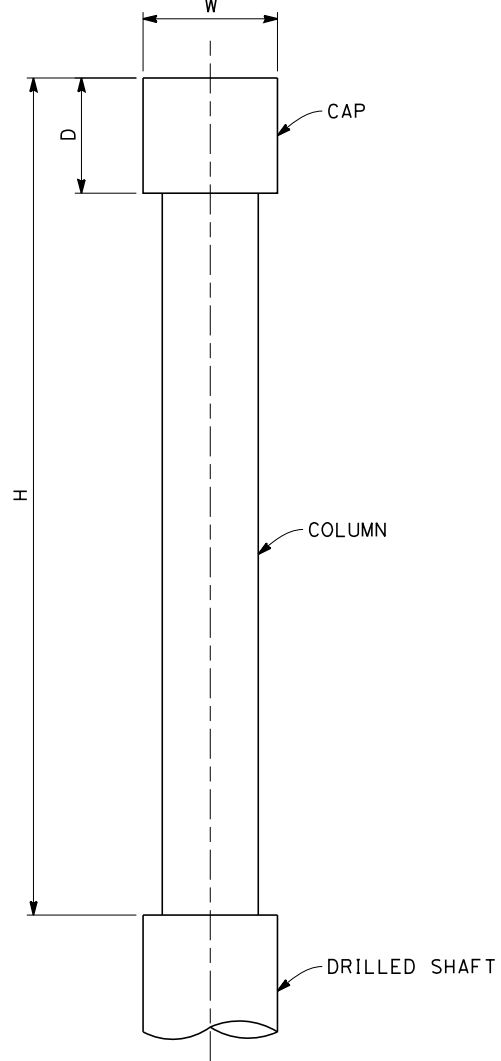
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
MONMOUTH SUBSECTION
ALIGNMENT M
OVERHEAD PLANNING STUDY
E MOUNTAIN VIEW AVE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
ST2113
SCALE
AS SHOWN
SHEET NO.
9 OF 9

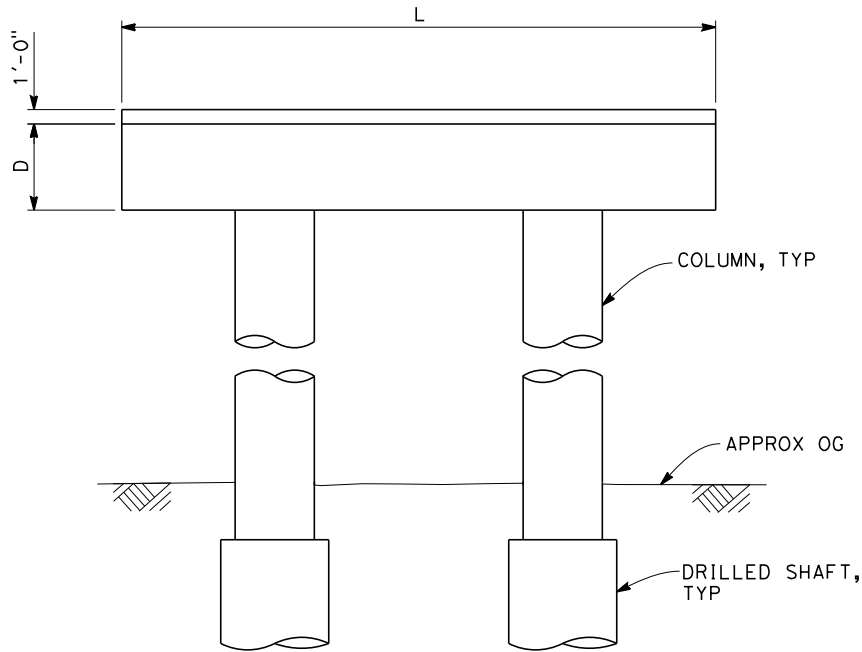
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hal\al



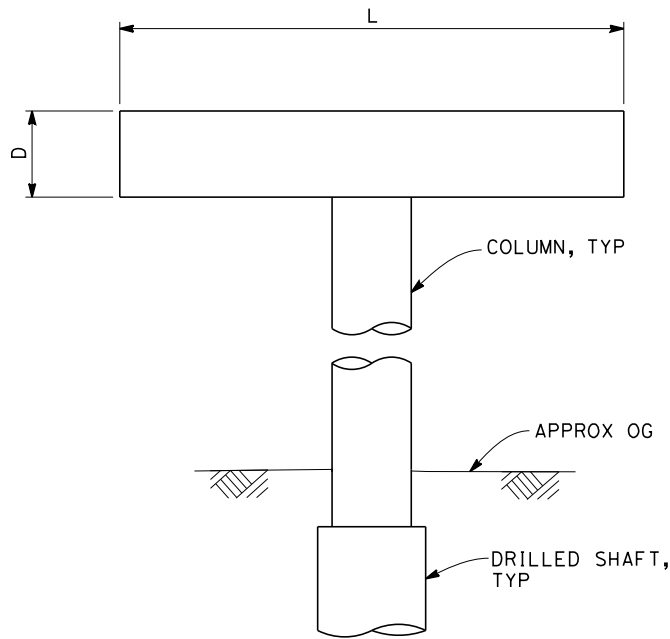
SECTION 1
SCALE: 1"=5'



SECTION 2
SCALE: 1"=5'



ELEVATION 1
SCALE: NTS



ELEVATION 2
SCALE: NTS

BRIDGE NAME	TOTAL BRIDGE L (FT)	SKEW ANGLE (DEGREES)	NO. OF BENT (EACH)	CAP LENGTH (FT)	CAP WIDTH (FT)	CAP DEPTH (FT)	COLUMN DIA (FT)	APPROX COL HT (FT)	CIDH SHAFT DIA (FT)	NO. OF COL/SHAFT (EACH)	TOTAL CIDH SHAFT LENGTH (FT)
E LINCOLN AVE	356	90	2	43	7.0	6.0	5.0	33.5	7.5	2	42
E ADAMS AVE	252	90	2	43	7.0	43	5.0	34.3	7.0	2	55
E SOUTH AVE	222	88	1	35	7.5	6.5	5.5	34.3	7.0	1	60
E MANNING AVE	262	88	2	43	7.0	6.0	5.0	27.8	7.0	2	78
E FLORAL AVE	237	79	2	43	7.0	6.0	5.0	33.3	7.0	2	87
E NEBRASKA AVE	220	77	2	43	7.0	6.0	5.0	32.0	7.0	2	87
E MOUNTAIN VIEW AVE	226	73	2	43	7.0	77.0	5.0	39.5	7.0	2	92

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DESIGNED BY
C. CAYWOOD
DRAWN BY
M. SPURGEON
CHECKED BY
D. JONES
IN CHARGE
R. TREVETT
DATE
10/09/14

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

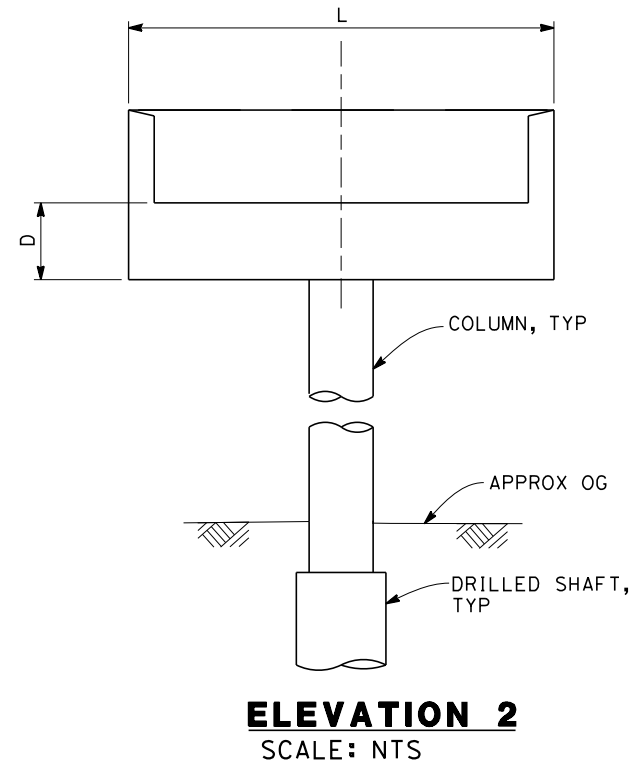
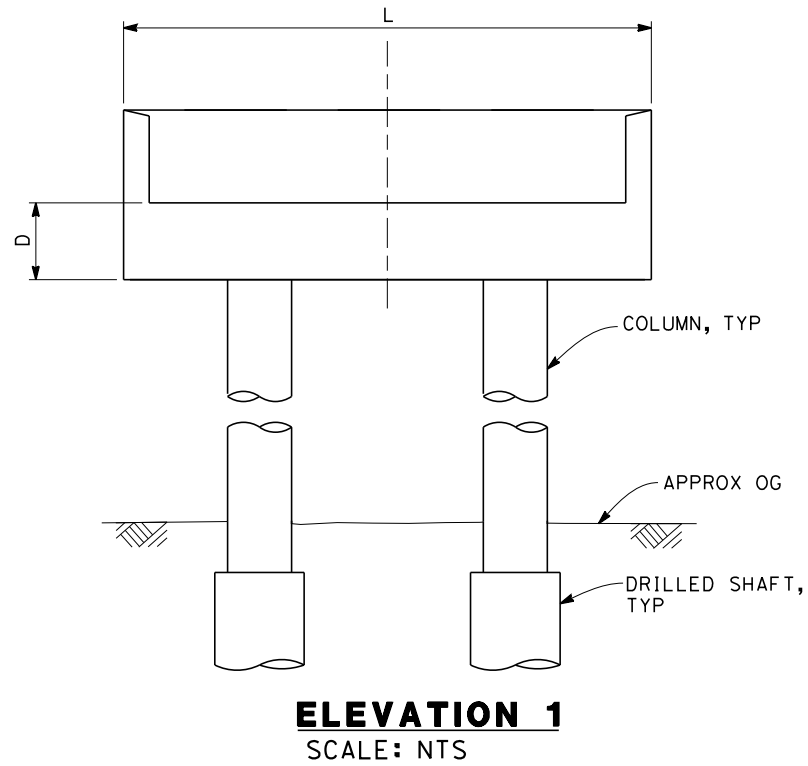
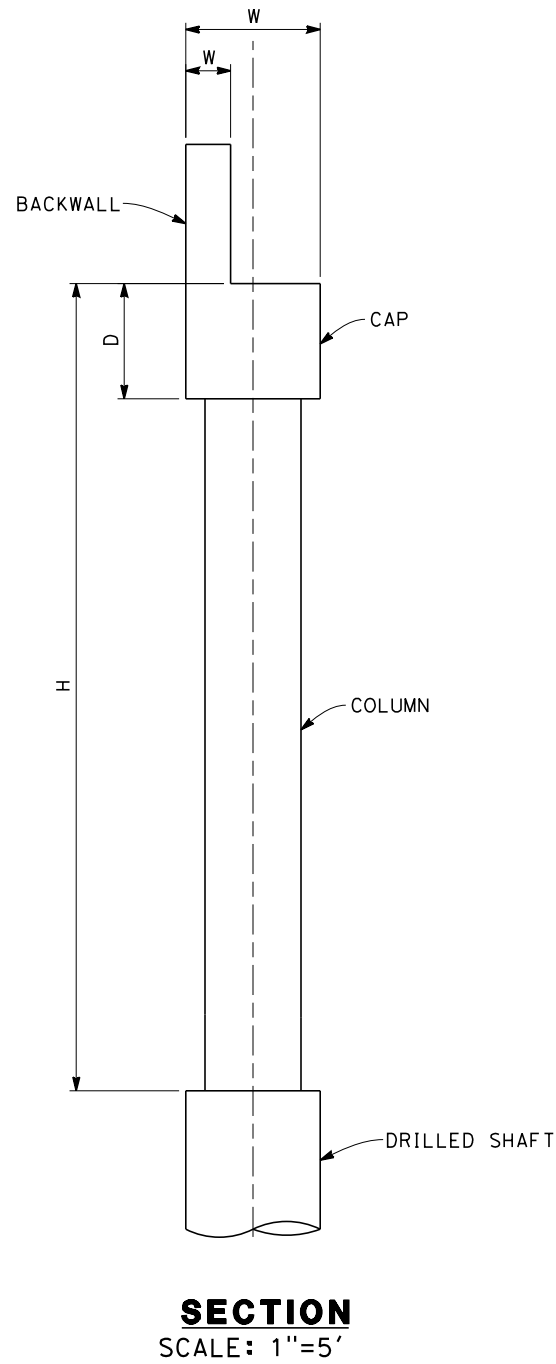


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
BENT DETAILS
ALIGNMENT M
OVERHEAD PLANNING STUDY
SHEET 1 OF 2

CONTRACT NO.
HSR 06-0003
DRAWING NO.
DETAILS
SCALE
AS SHOWN
SHEET NO.
1 OF 2

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hal\id



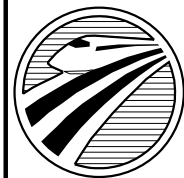
BRIDGE NAME	TOTAL BRIDGE L (FT)	SKEW ANGLE (DEGREES)	NO. OF BENT (EACH)	CAP LENGTH (FT)	CAP WIDTH (FT)	CAP DEPTH (FT)	COLUMN DIA (FT)	APPROX COL HT (FT)	BACKWALL WIDTH (FT)	NO.OF COLUMN (EACH)
E LINCOLN AVE	356	90	2	43	7.0	6.0	5.0	33.5	1.0	2
E ADAMS AVE	252	90	2	43	7.0	43	5.0	34.3	1.0	2
E SOUTH AVE	222	88	1	35	7.5	6.5	5.5	34.3	1.0	1
E MANNING AVE	262	88	2	43	7.0	6.0	5.0	27.8	1.0	2
E FLORAL AVE	237	79	2	43	7.0	6.0	5.0	33.3	1.0	2
E NEBRASKA AVE	220	77	2	43	7.0	6.0	5.0	32.0	7.0	2
E MOUNTAIN VIEW AVE	226	73	2	43	7.0	77.0	5.0	39.5	1.0	2

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DESIGNED BY C. CAYWOOD
DRAWN BY M. SPURGEON
CHECKED BY D. JONES
IN CHARGE R. TREVETT
DATE 10/09/14

**RECORD SET 15%
DESIGN SUBMISSION**

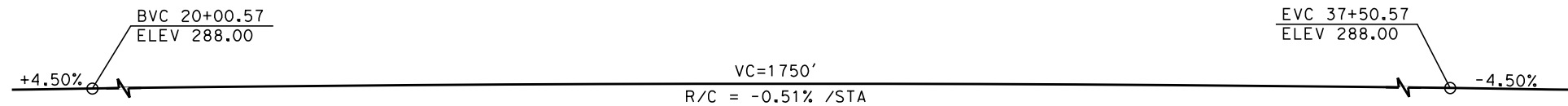
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CONSTRUCTION**



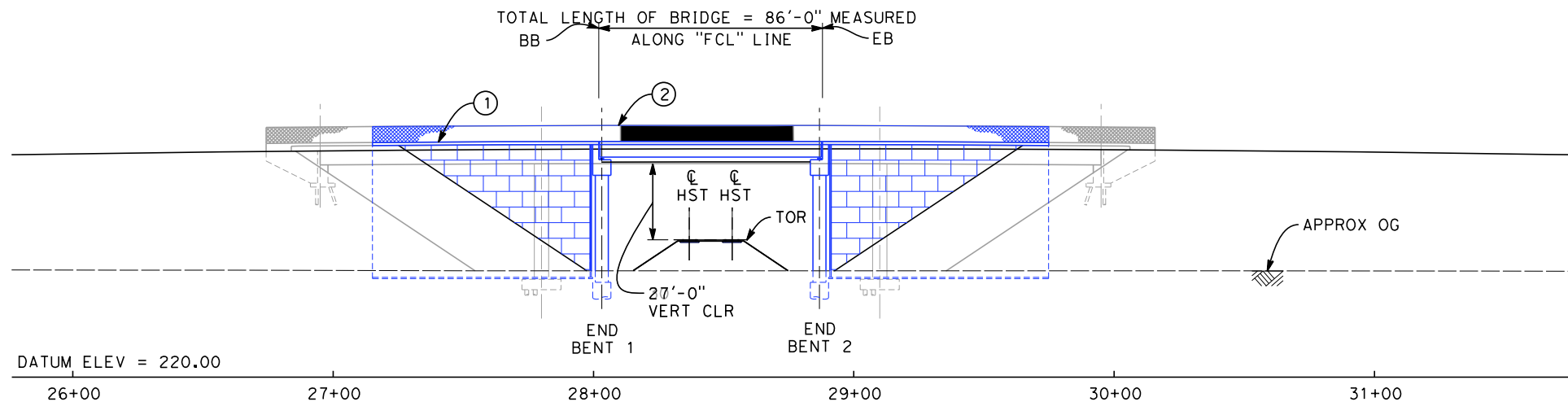
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
END BENT DETAILS
ALIGNMENT M
OVERHEAD PLANNING STUDY
SHEET 2 OF 2

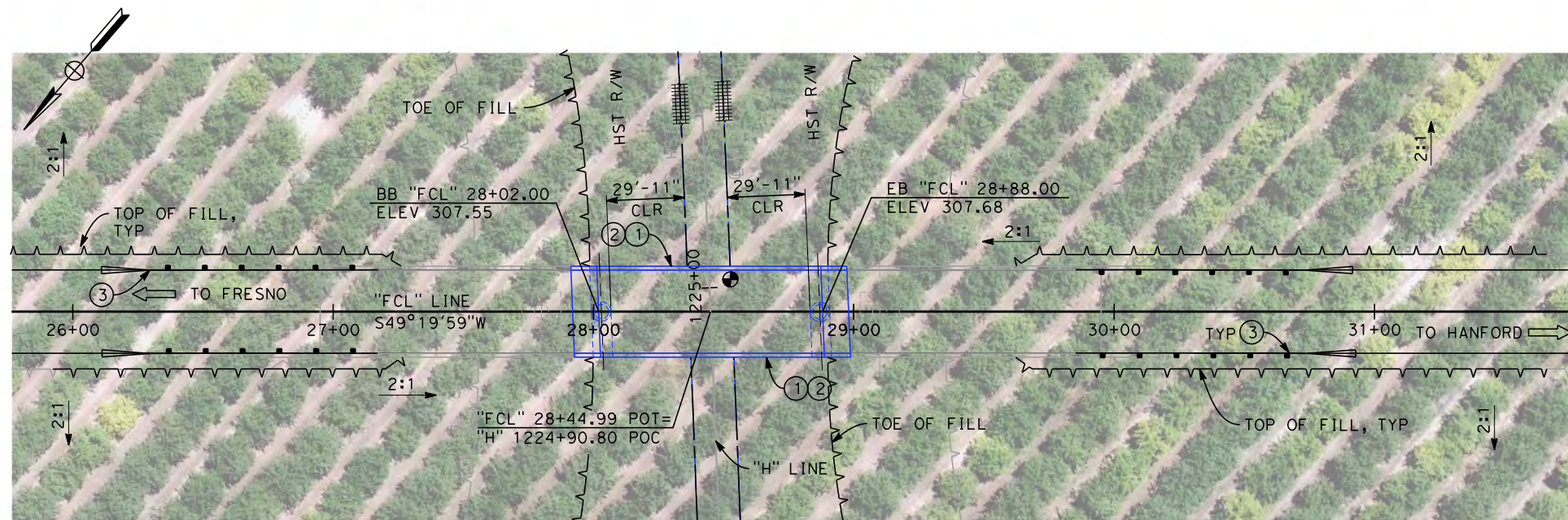
CONTRACT NO. HSR 06-0003
DRAWING NO. DETAILS
SCALE AS SHOWN
SHEET NO. 2 OF 2



PROFILE GRADE
NO SCALE



ELEVATION
SCALE: 1"=30'



PLAN
SCALE: 1"=30'

NOTES:

1. ALL PILES NOT SHOWN
2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

LEGEND:

- ① CONCRETE BARRIER WITH AR FENCE
- ② AR FENCE WITH SOLID PLATE OVER HST
- ③ MBGR

— RFP DESIGN
— DFS PROPOSED



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DESIGNED BY
C. HAYWOOD
DRAWN BY
M. HELM
CHECKED BY
D. JONES
IN CHARGE
R. TREVETT
DATE
10/09/14

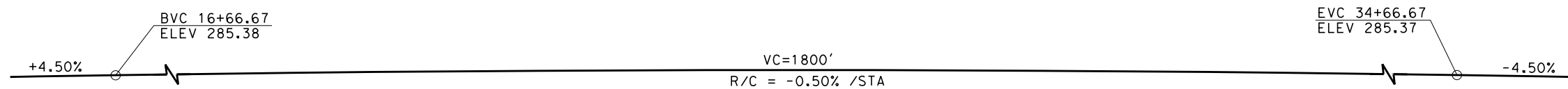
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DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

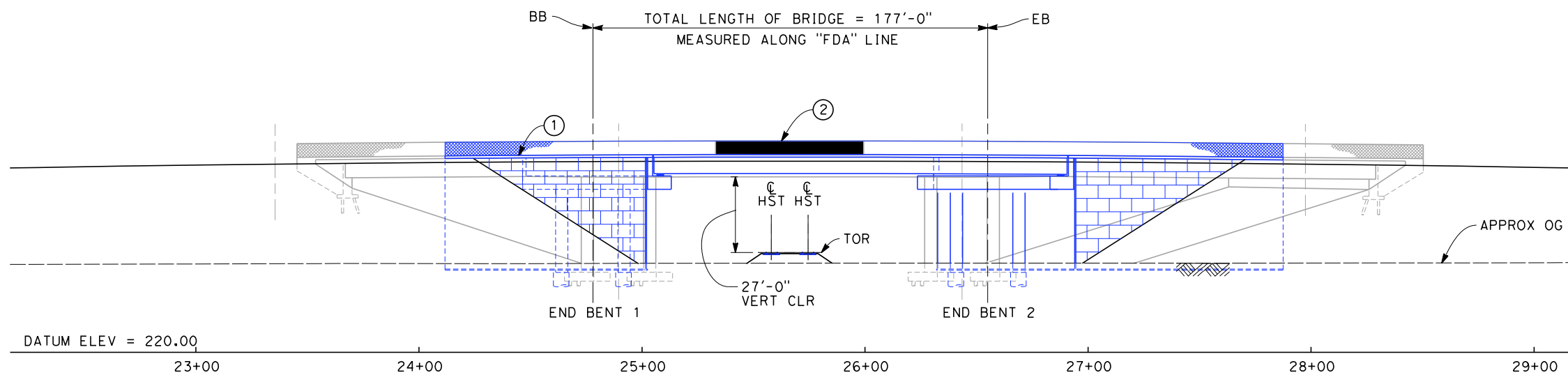


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CONEJO SUBSECTION
ALIGNMENT H
OVERHEAD PLANNING STUDY
S CLOVIS AVE

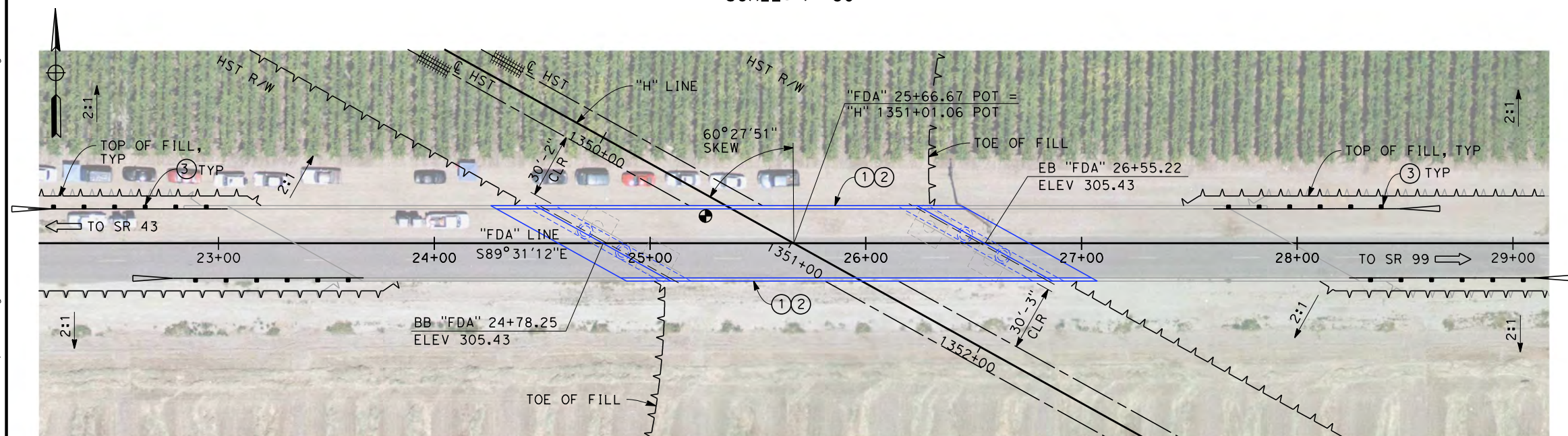
CONTRACT NO.
HSR 06-0003
DRAWING NO.
ST2117
SCALE
AS SHOWN
SHEET NO.
2 OF 14



PROFILE GRADE
NO SCALE



ELEVATION
SCALE: 1"=30'



PLAN
SCALE: 1"=30'

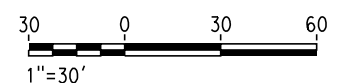
NOTES:

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LEGEND:

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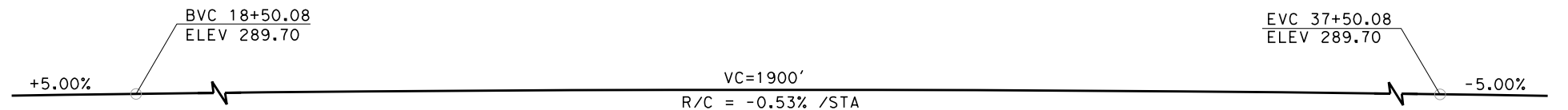
N	DESIGNED BY C. CAYWOOD
	DRAWN BY M. HELM
T	CHECKED BY D. JONES
	IN CHARGE R. TREVETT
	DATE 10/09/14

**RECORD SET 15%
DESIGN SUBMISSION
-
NOT FOR
CONSTRUCTION**

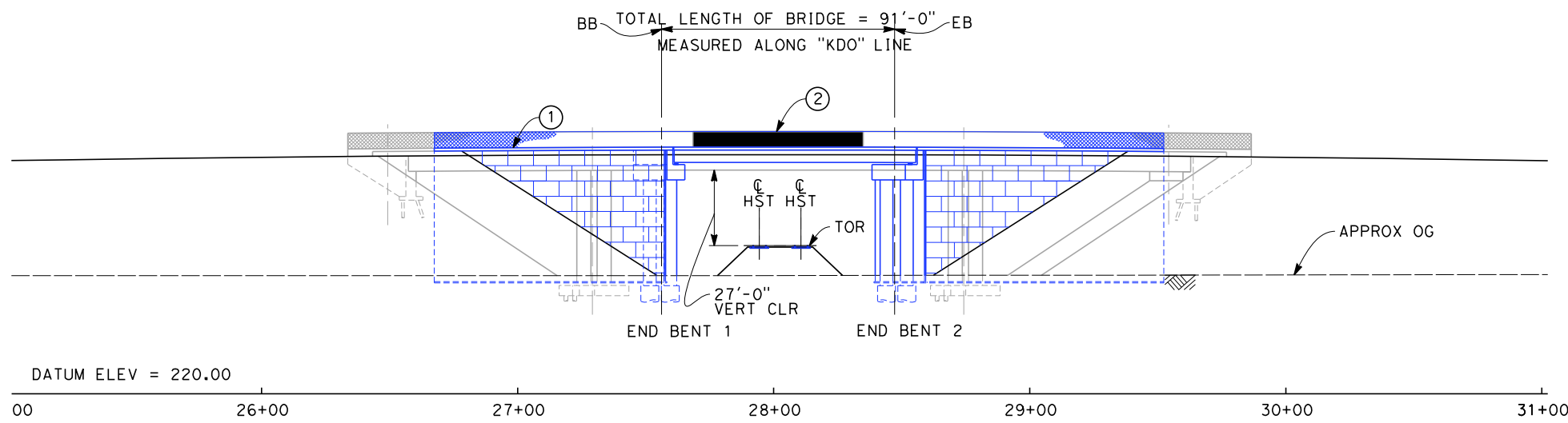


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CONEJO SUBSECTION
ALIGNMENT H
OVERHEAD PLANNING STUDY
E DAVIS AVE

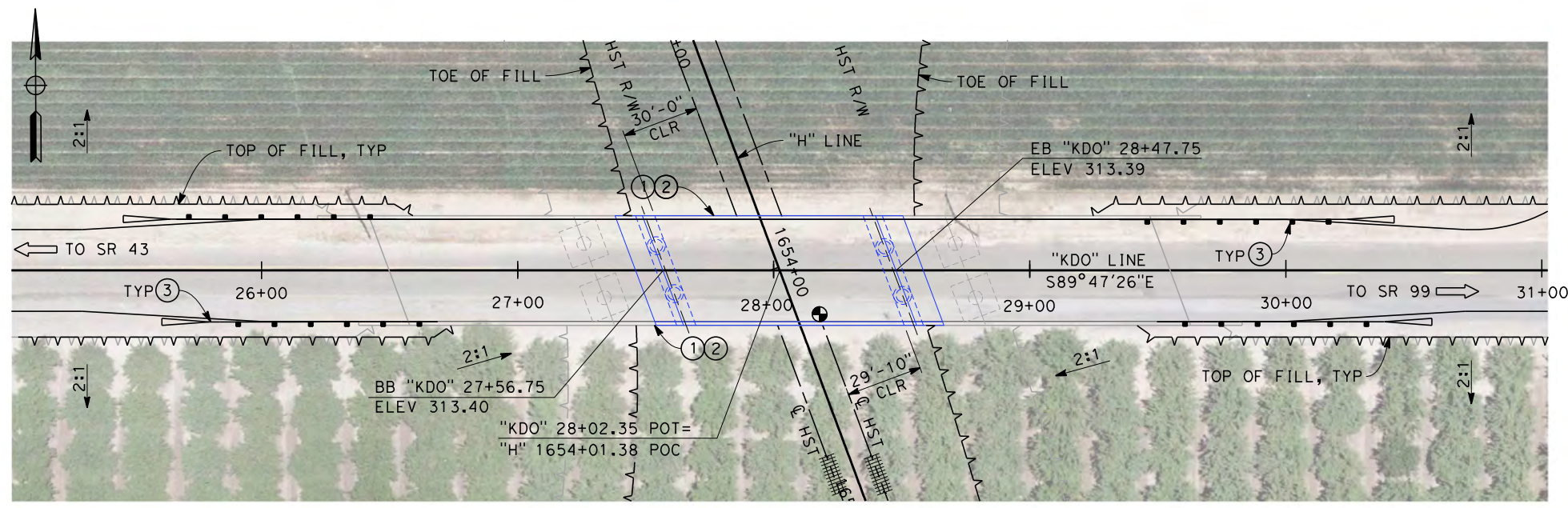
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DRAWING NO.	ST2123
SCALE	AS SHOWN
SHEET NO.	5 OF 14



PROFILE GRADE
NO SCALE

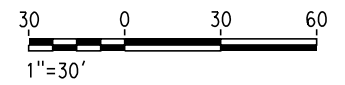


ELEVATION
SCALE: 1"=30'



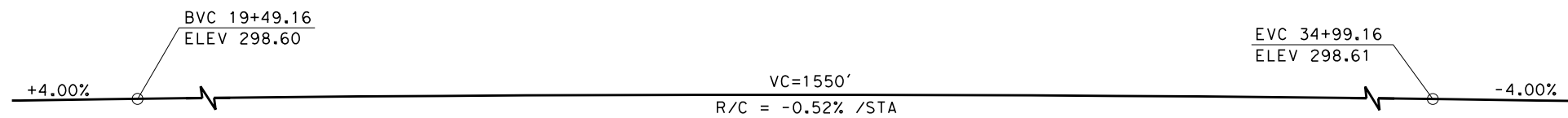
PLAN
SCALE: 1"=30'

- NOTES:
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 - ② AR FENCE WITH SOLID PLATE OVER HST
 - ③ MBGR
- RFP DESIGN
— DFS PROPOSED

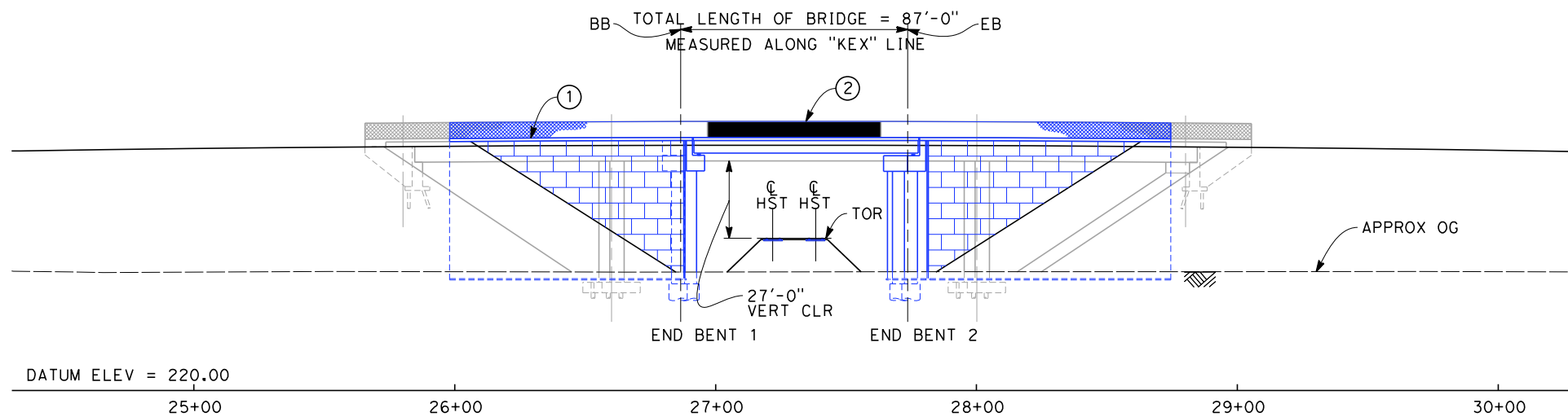


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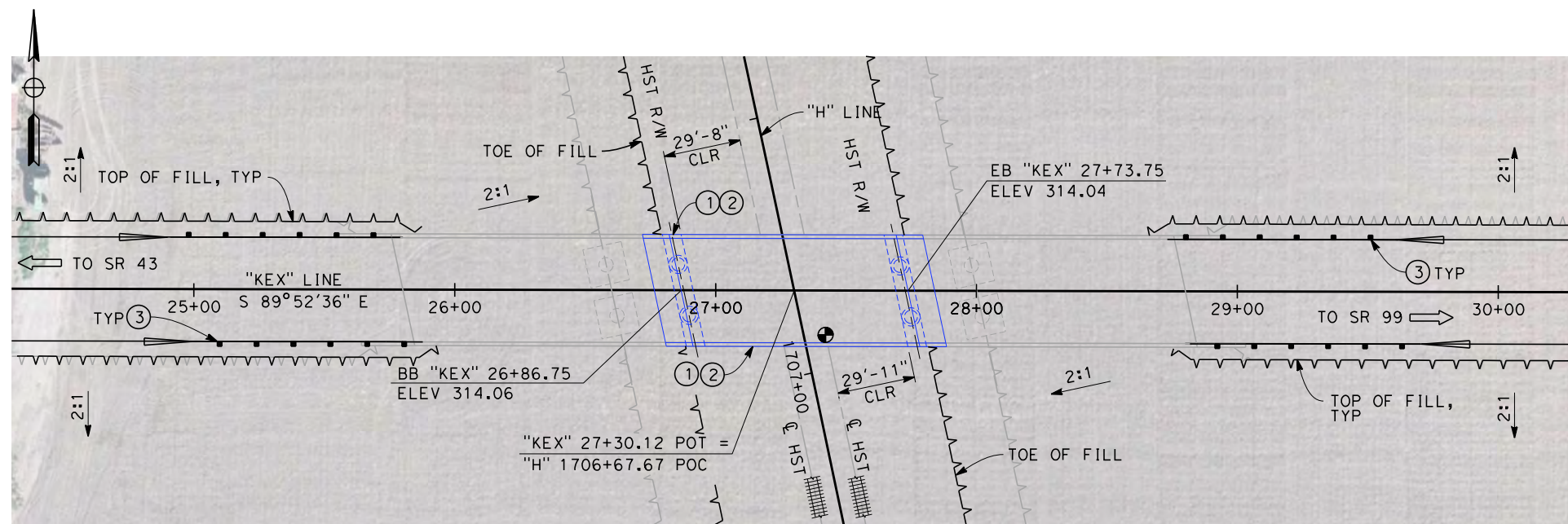
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	DRAWN BY M. HELM					DRAWING NO. ST2129
	CHECKED BY D. JONES					SCALE AS SHOWN
	IN CHARGE R. TREVETT					SHEET NO. 6 OF 14
	DATE 10/09/14					



PROFILE GRADE
NO SCALE



ELEVATION
SCALE: 1"=30'



PLAN
SCALE: 1"=30'

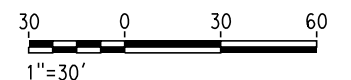
- NOTES:

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LEGEND:

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- ③ MBGR

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REDUCTION IN CONSTRUCTION LIMITS

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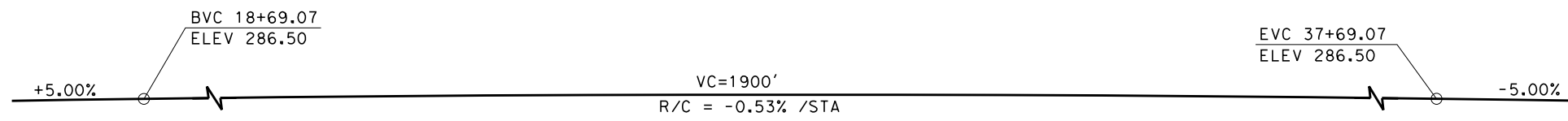
DESIGNED BY C. CAYWOOD
DRAWN BY M. HELM
CHECKED BY D. JONES
IN CHARGE R. TREVETT
DATE 10/09/14

**RECORD SET 15%
DESIGN SUBMISSION
-
NOT FOR
CONSTRUCTION**

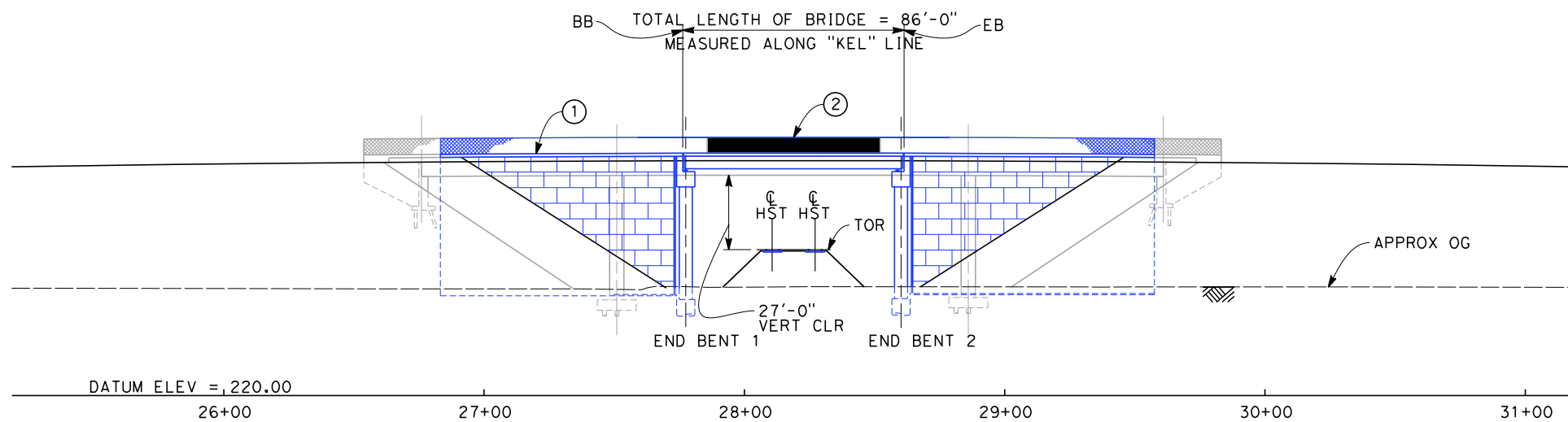


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
OVERHEAD PLANNING STUDY
EXCELSIOR AVE

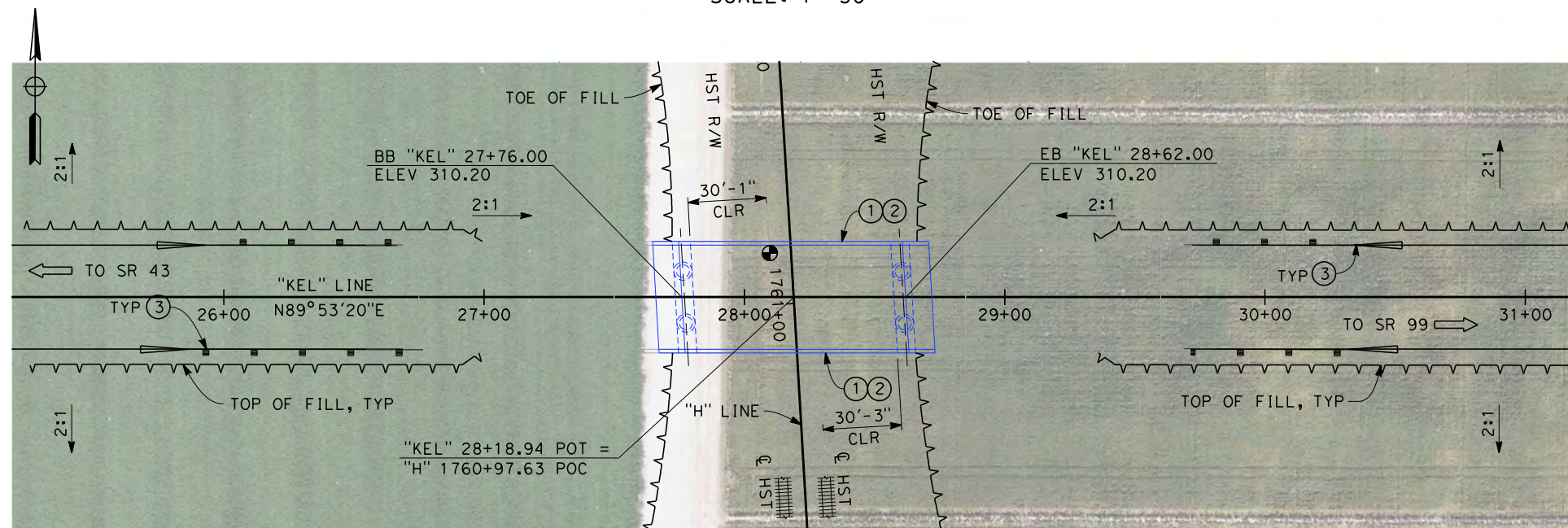
CONTRACT NO.	HSR 06-0003
DRAWING NO.	ST2133
SCALE	AS SHOWN
SHEET NO.	7 OF 14



PROFILE GRADE
NO SCALE



ELEVATION
SCALE: 1"=30'



PLAN
SCALE: 1"=30'

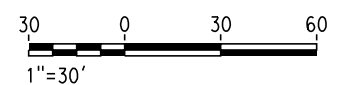
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LEGEND:

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- ② AR FENCE WITH SOLID PLATE OVER HST
- ③ MBGR

— RFP DESIGN
— DFS PROPOSED



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DESIGNED BY
C. CAYWOOD
DRAWN BY
M. HELM
CHECKED BY
D. JONES
IN CHARGE
R. TREVETT
DATE
10/09/14

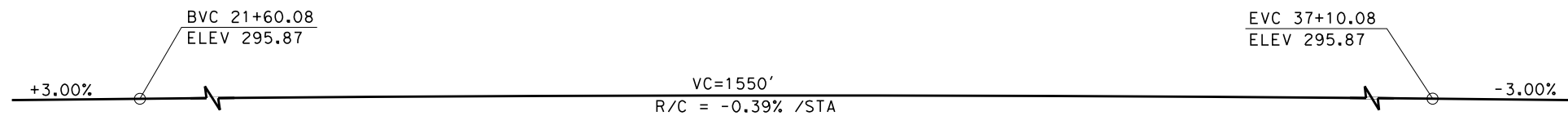
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DESIGN SUBMISSION**

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CONSTRUCTION**

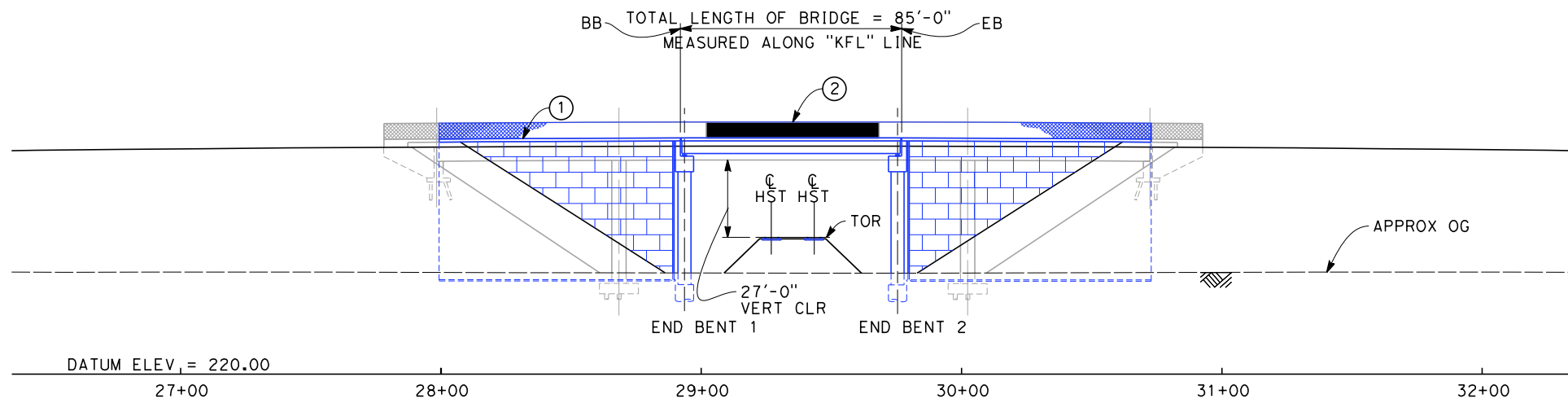


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
OVERHEAD PLANNING STUDY
ELDER AVE

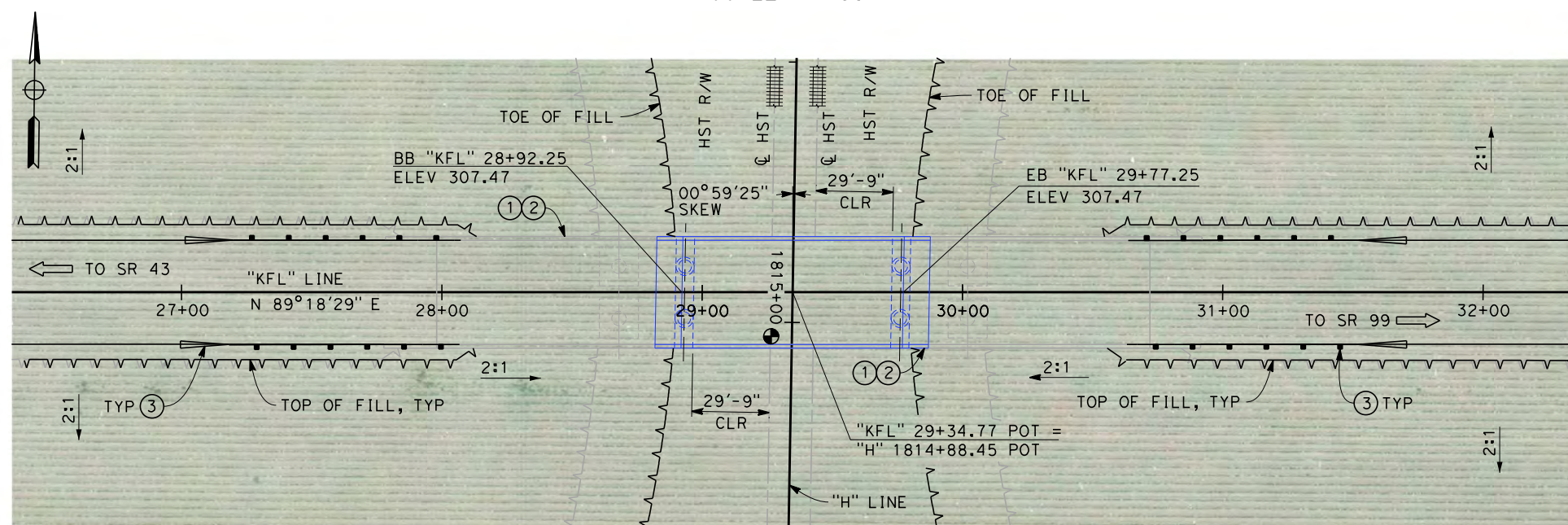
CONTRACT NO.
HSR 06-0003
DRAWING NO.
ST2135
SCALE
AS SHOWN
SHEET NO.
8 OF 14



PROFILE GRADE
NO SCALE



ELEVATION
SCALE: 1"=30'



PLAN
SCALE: 1"=30'

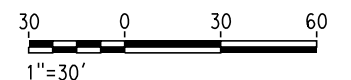
NOTES:

1. ALL PILES NOT SHOWN
2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

LEGEND:

- ① CONCRETE BARRIER WITH AR FENCE
- ② AR FENCE WITH SOLID PLATE OVER HST
- ③ MBGR

— RFP DESIGN
— DFS PROPOSED



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DRAWN BY
M. HELM
CHECKED BY
D. JONES
IN CHARGE
R. TREVETT
DATE
10/09/14

**RECORD SET 15%
DESIGN SUBMISSION**

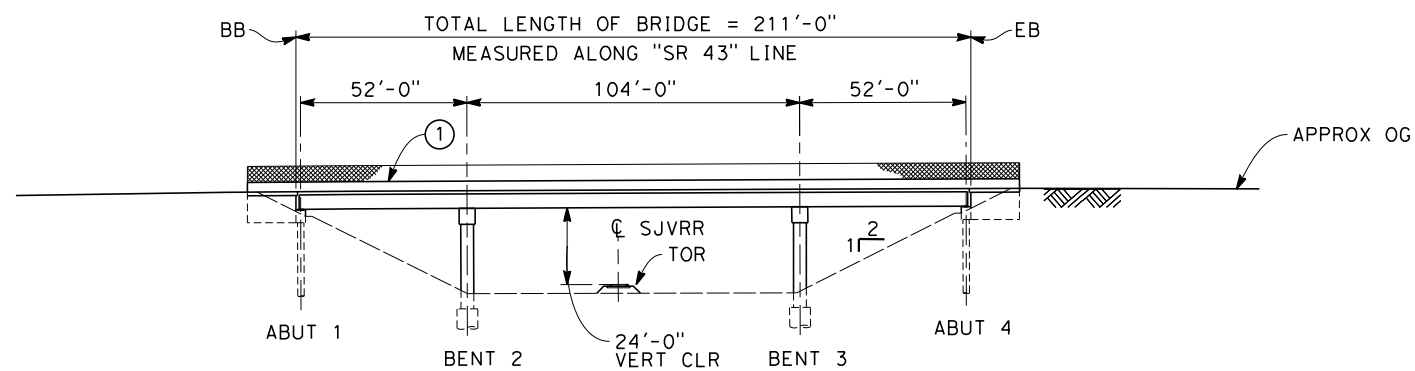
**NOT FOR
CONSTRUCTION**



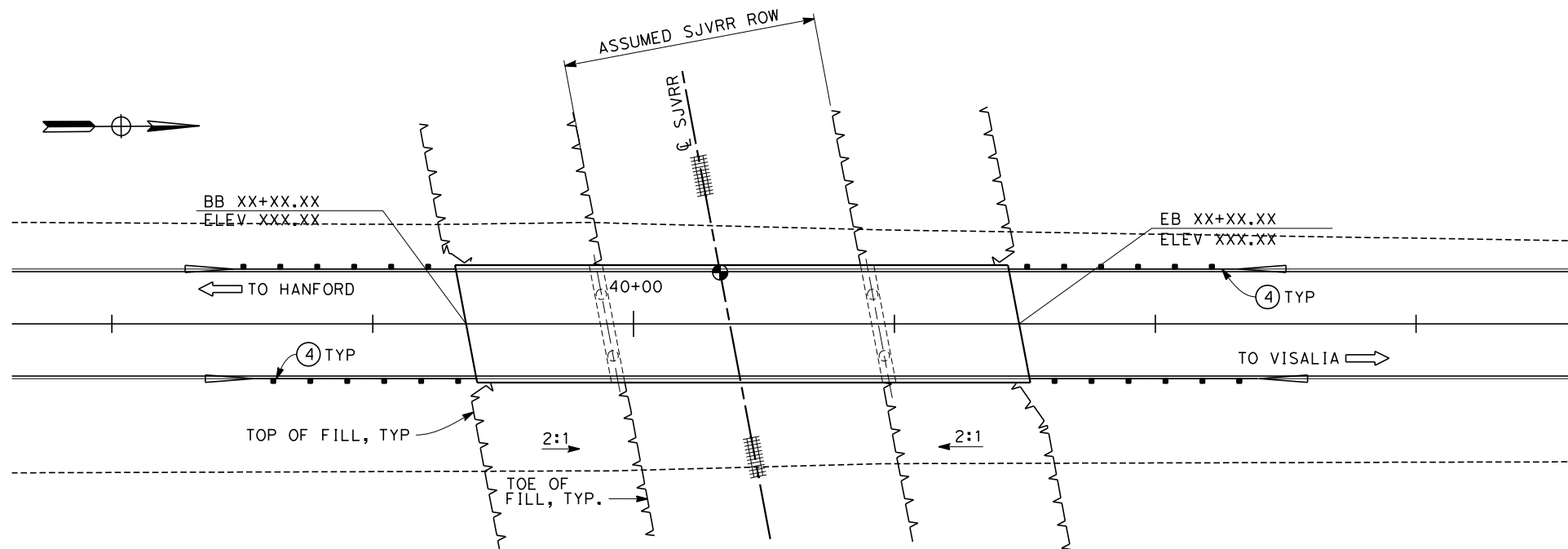
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
OVERHEAD PLANNING STUDY
FLINT AVE

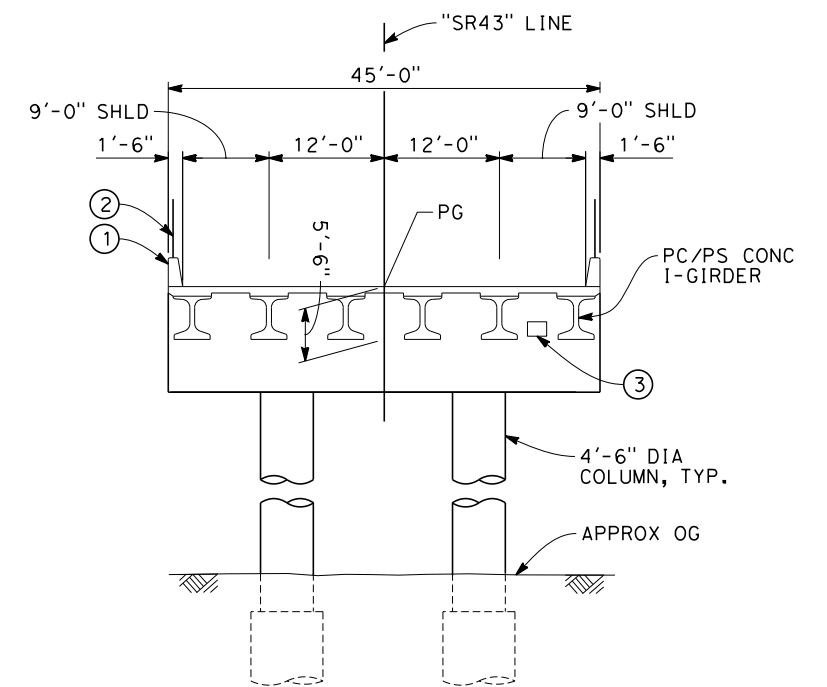
CONTRACT NO.
HSR 06-0003
DRAWING NO.
ST2137
SCALE
AS SHOWN
SHEET NO.
9 OF 14



ELEVATION
SCALE: 1"=30'



PLAN
SCALE: 1"=30'



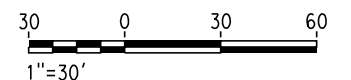
TYPICAL SECTION
SCALE: 1"=10'

NOTES:

1. ALL PILES NOT SHOWN.
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LEGEND:

- ① CONCRETE BARRIER WITH AR FENCE
- ② AR FENCE
- ③ FUTURE UTILITY ENCASEMENT OPENING
- ④ MBGR



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DESIGNED BY
N. BEACH
DRAWN BY
A. PRICE
CHECKED BY
G. DREESZEN
IN CHARGE
R. TREVETT
DATE
10/09/14

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

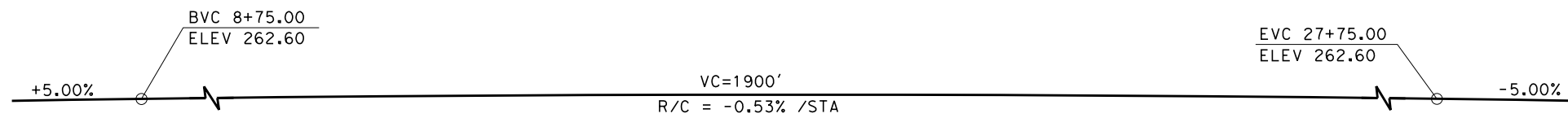


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

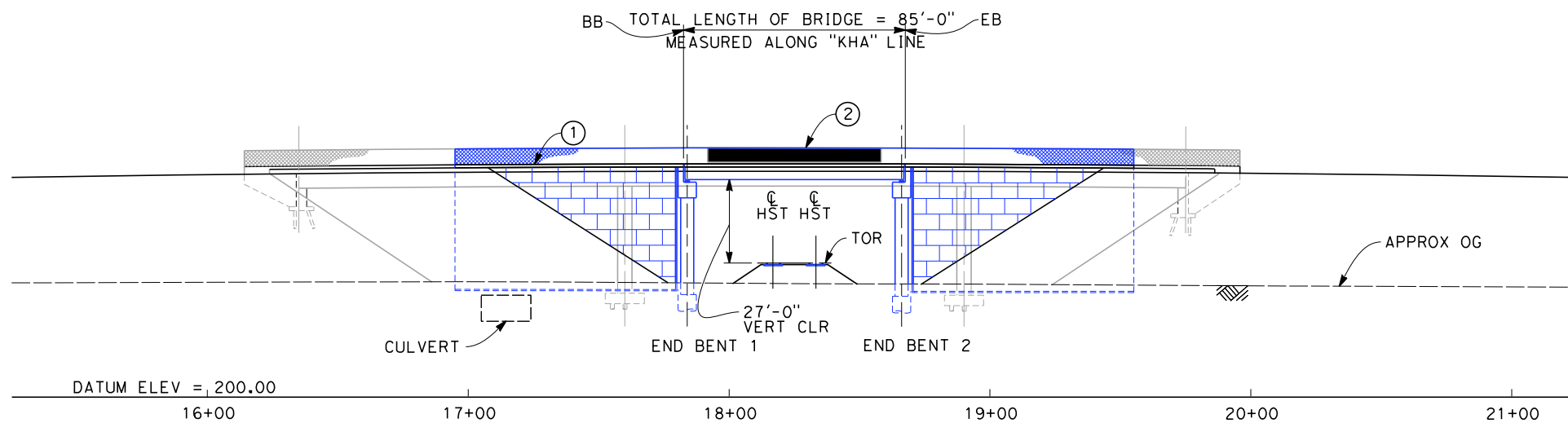
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
SR 43 OVER SJVRR

CONTRACT NO.
HSR 06-0003
DRAWING NO.

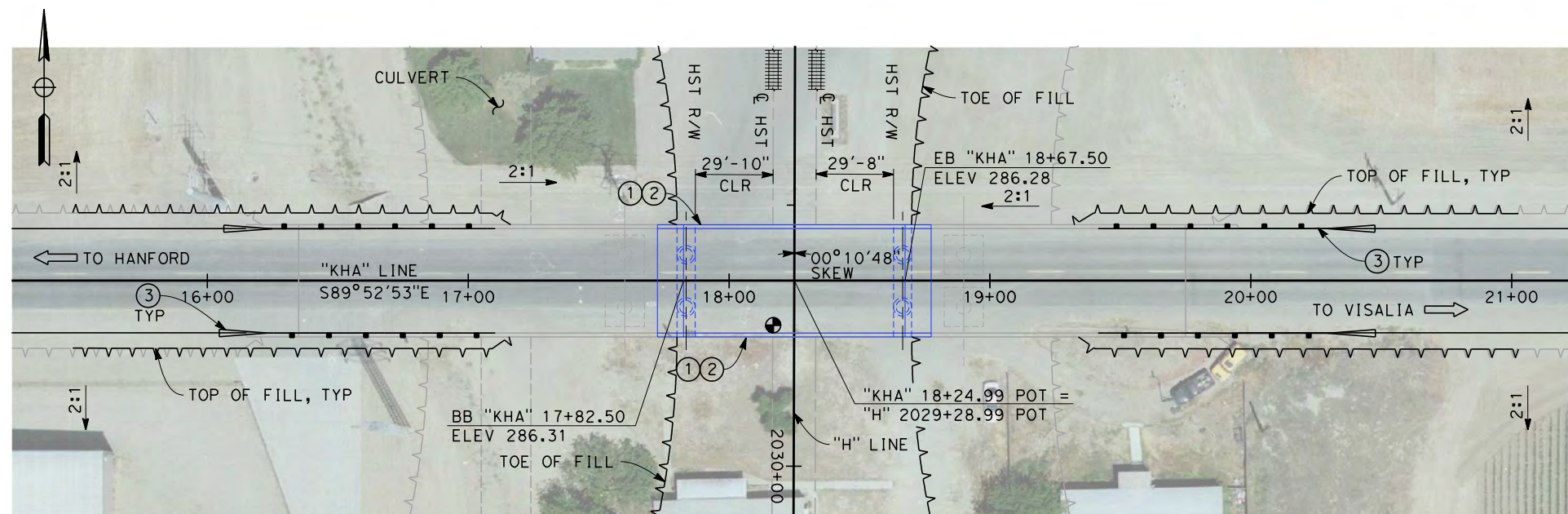
SCALE
AS SHOWN
SHEET NO.



PROFILE GRADE
NO SCALE



ELEVATION
SCALE: 1"=30'



PLAN
SCALE: 1"=30'

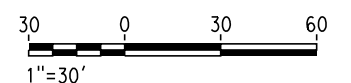
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LEGEND:

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- ② AR FENCE WITH SOLID PLATE OVER HST
- ③ MBGR

— RFP DESIGN
— DFS PROPOSED



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DESIGNED BY C. CAYWOOD
DRAWN BY M. HELM
CHECKED BY D. JONES
IN CHARGE R. TREVETT
DATE 10/09/14

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DESIGN SUBMISSION**

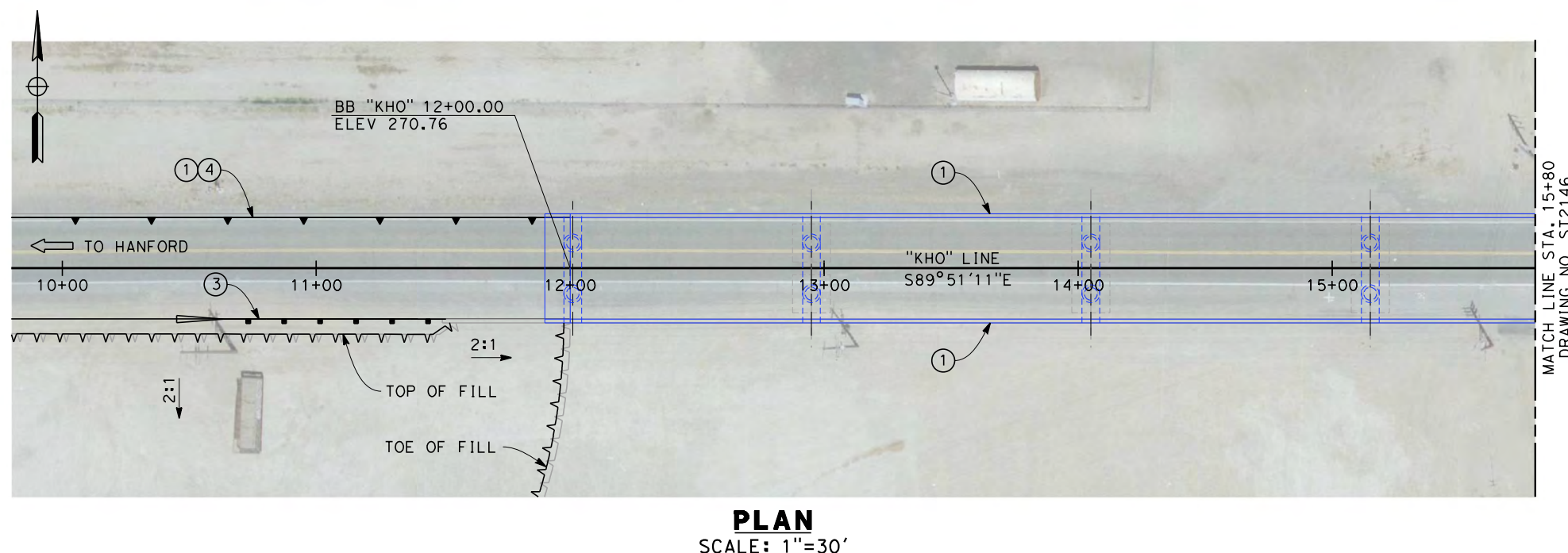
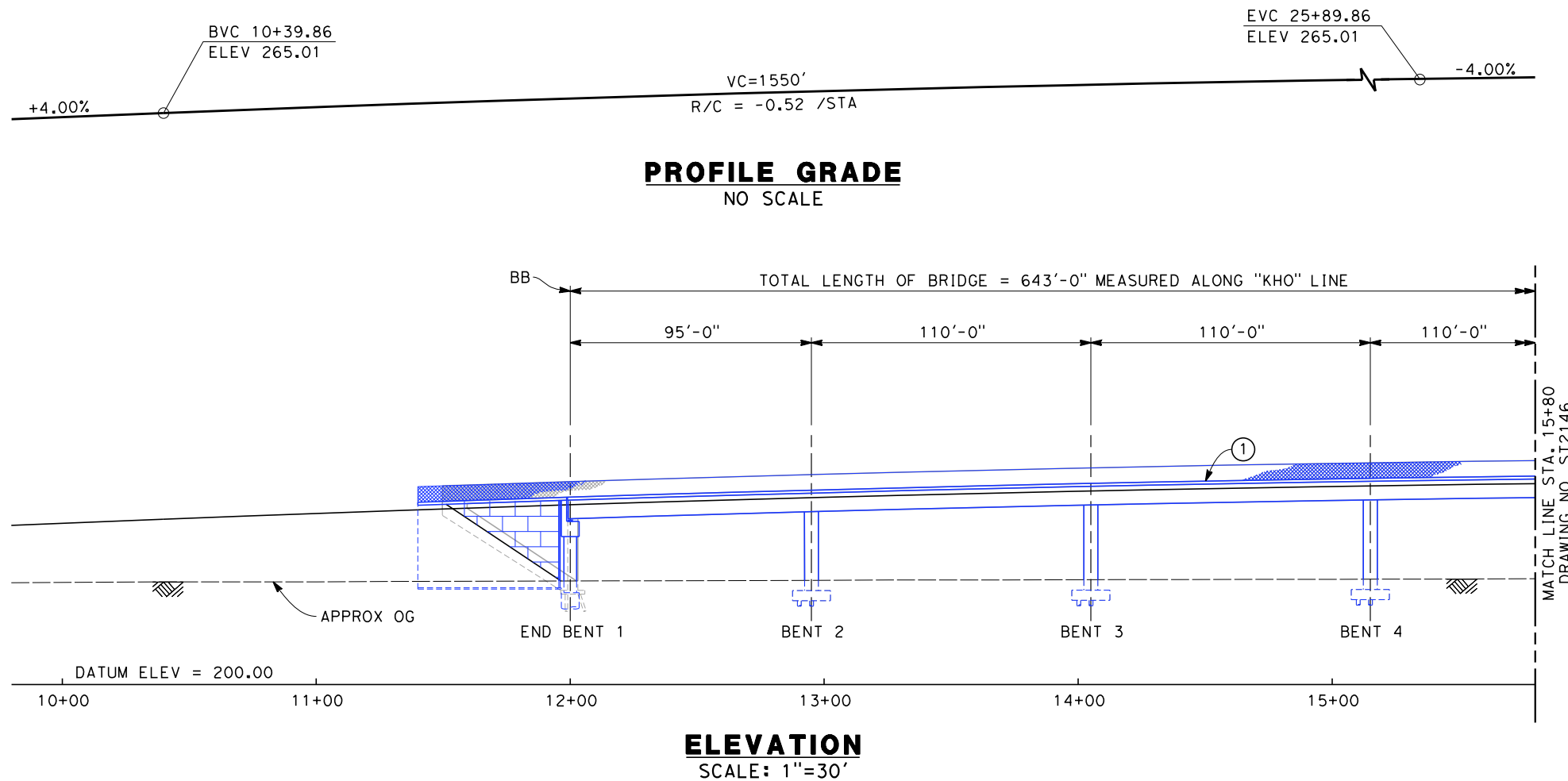
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**NOT FOR
CONSTRUCTION**

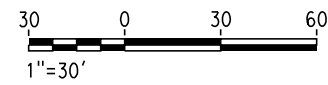


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
OVERHEAD PLANNING STUDY
HANFORD ARMONA RD

CONTRACT NO.	HSR 06-0003
DRAWING NO.	ST2143
SCALE	AS SHOWN
SHEET NO.	11 OF 14



- NOTES:
1. ALL PILES NOT SHOWN
 2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.
- LEGEND:
- ① CONCRETE BARRIER WITH AR FENCE
 - ② AR FENCE WITH SOLID PLATE OVER HST
 - ③ MBGR
 - ④ RETAINING WALL
- RFP DESIGN
- DFS PROPOSED




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IN CHARGE R. TREVETT
DATE 10/09/14

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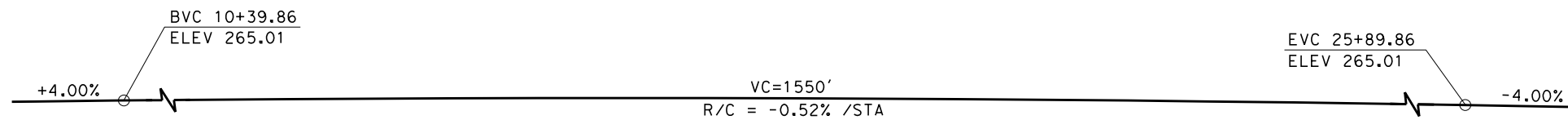




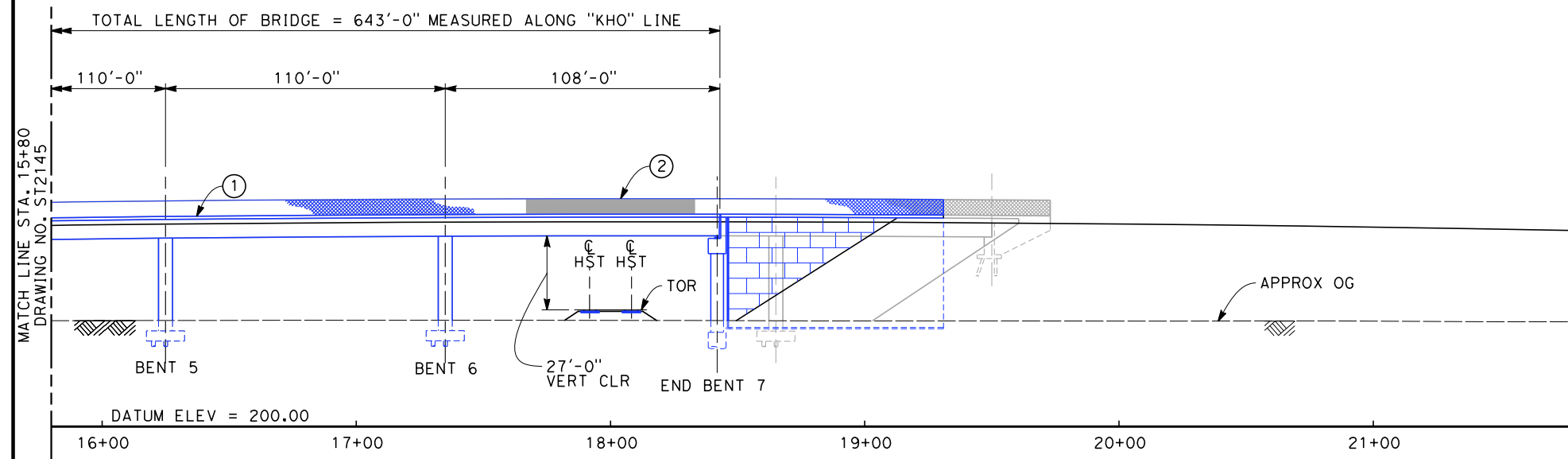
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

HANFORD SUBSECTION
ALIGNMENT H
OVERHEAD PLANNING STUDY
HOUSTON AVE 1 OF 2

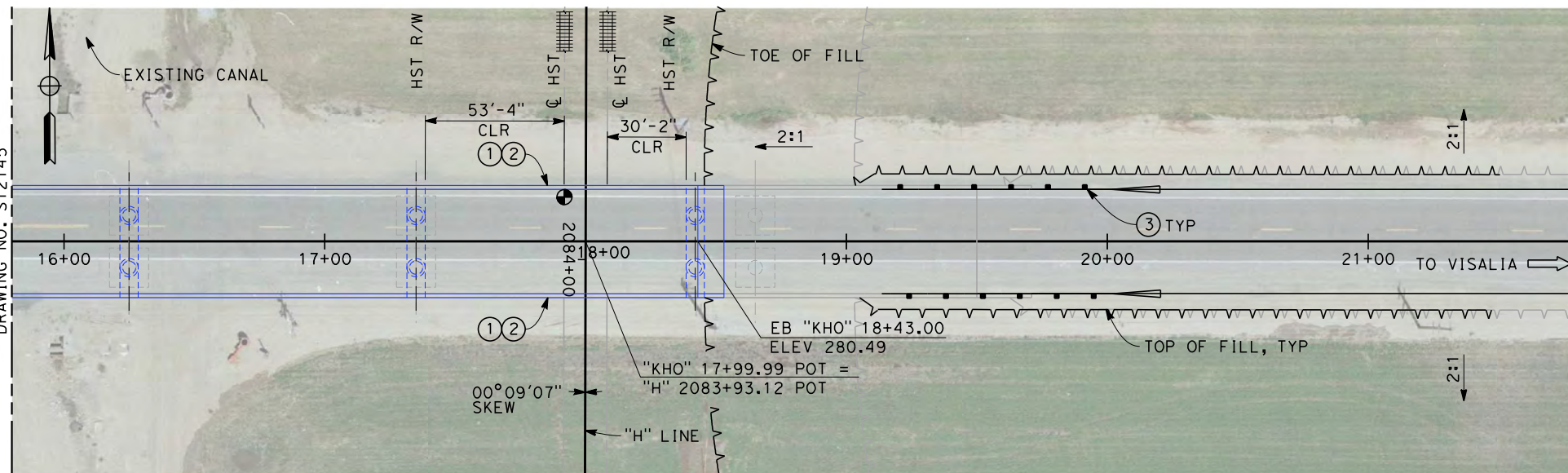
CONTRACT NO. HSR 06-0003
DRAWING NO. ST2145
SCALE AS SHOWN
SHEET NO. 12 OF 14



PROFILE GRADE
NO SCALE



TYPICAL SECTION
SCALE: 1"=10'



PLAN
SCALE: 1"=30'

NOTES:

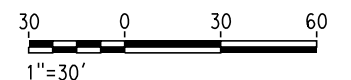
1. ALL PILES NOT SHOWN
2. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

LEGEND:

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- ③ MBGR

— RFP DESIGN

— DFS PROPOSED



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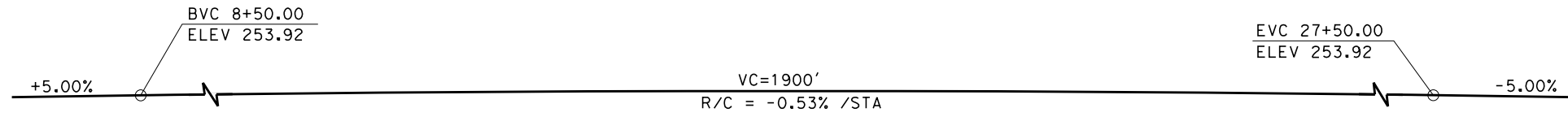
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**NOT FOR
CONSTRUCTION**

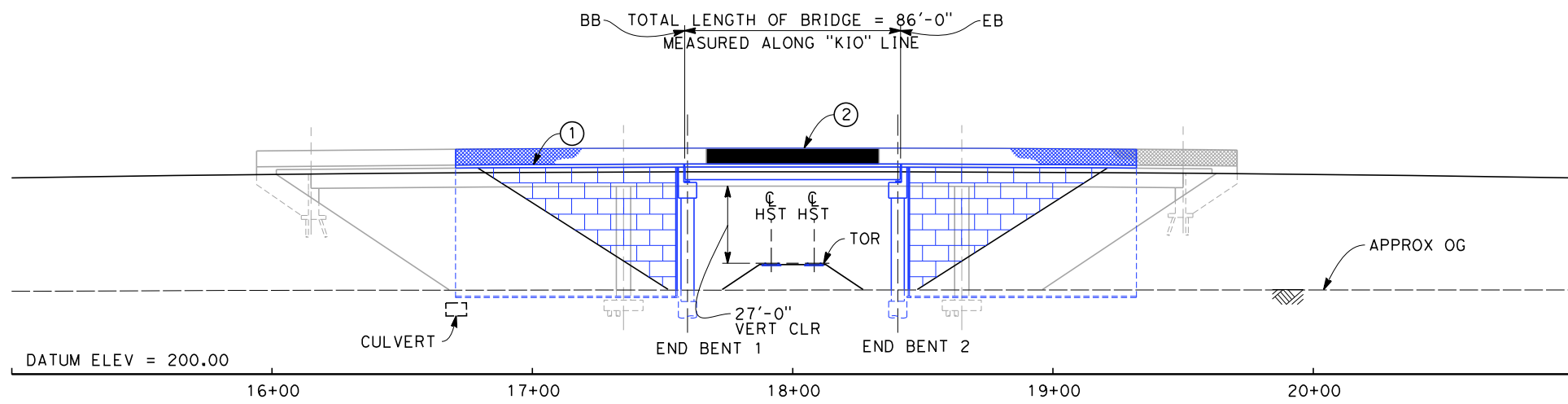


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
OVERHEAD PLANNING STUDY
HOUSTON AVE 2 OF 2

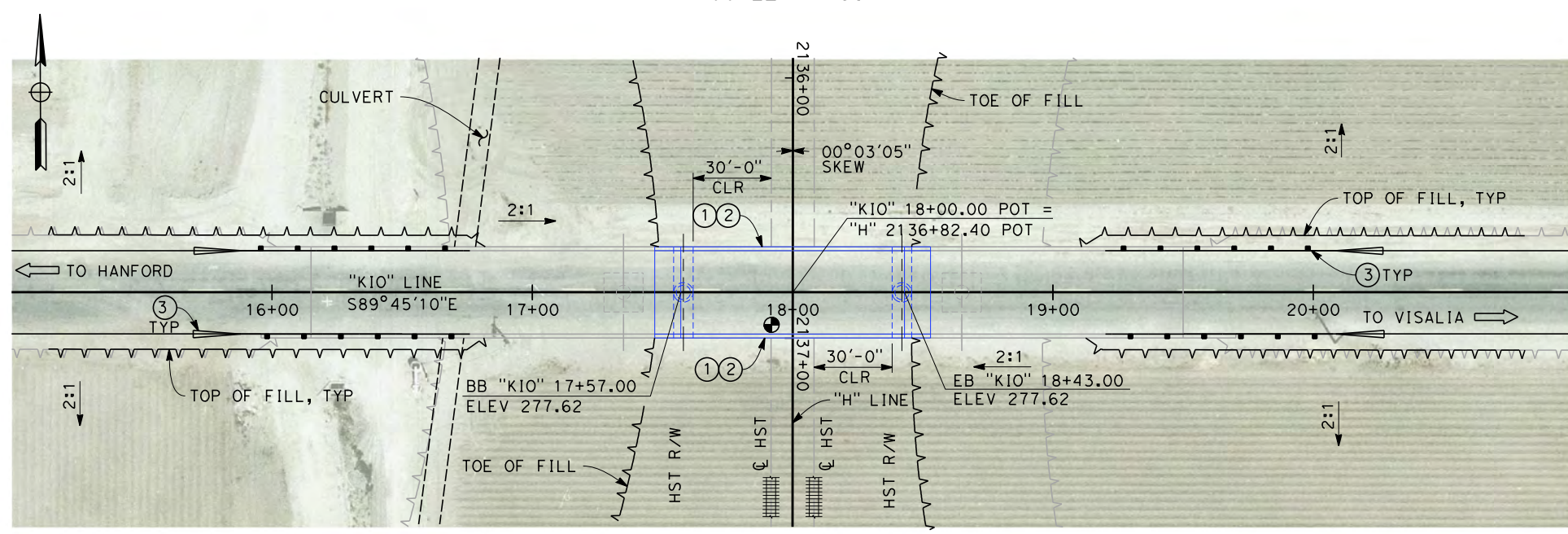
CONTRACT NO.	HSR 06-0003
DRAWING NO.	ST2146
SCALE	AS SHOWN
SHEET NO.	13 OF 14



PROFILE GRADE
NO SCALE



ELEVATION
SCALE: 1"=30'



PLAN
SCALE: 1"=30'

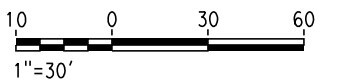
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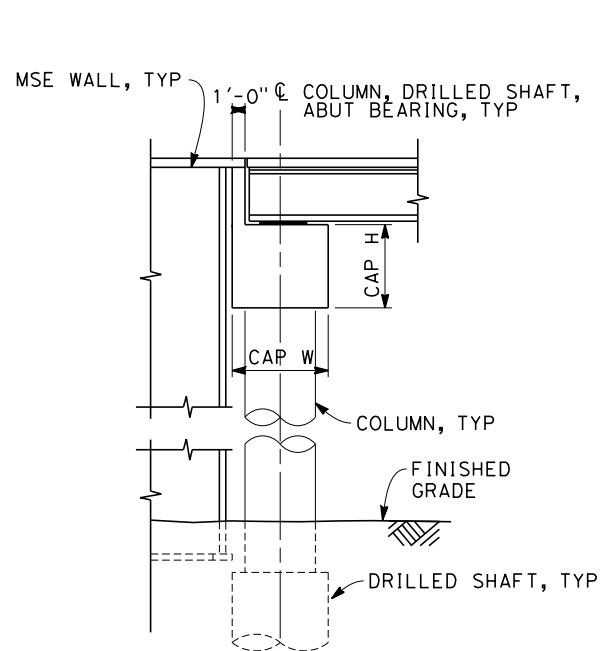


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
HANFORD SUBSECTION
ALIGNMENT H
OVERHEAD PLANNING STUDY
IONA AVE

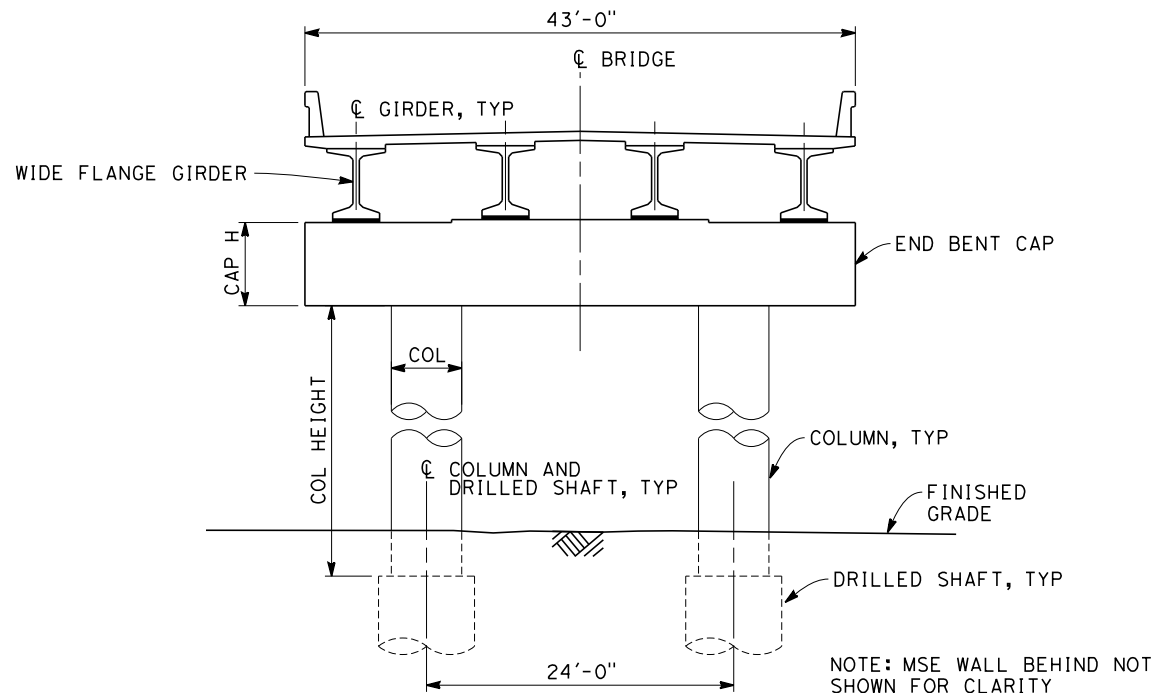
CONTRACT NO.
HSR 06-0003
DRAWING NO.
ST2147
SCALE
AS SHOWN
SHEET NO.
14 OF 14

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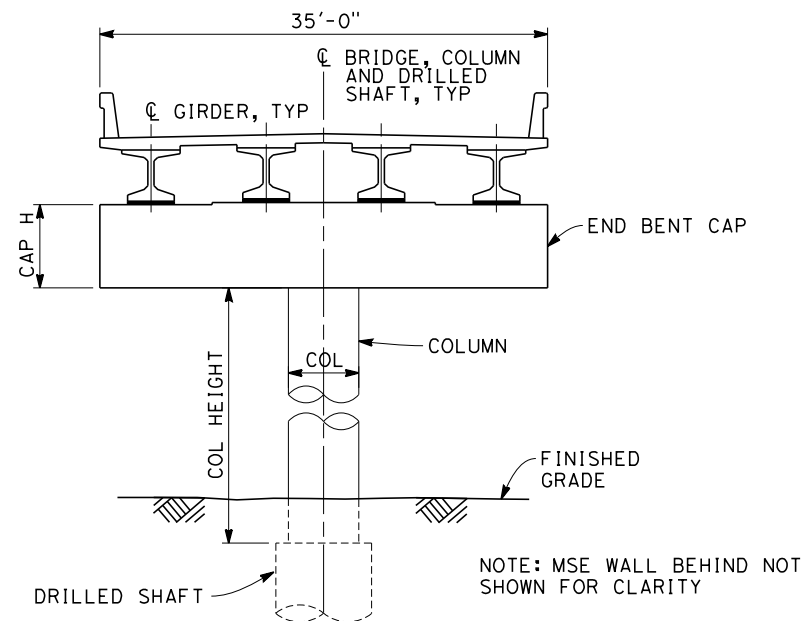
hal\id



TYPICAL ABUTMENT SECTION
NO SCALE



TYPICAL 2 COLUMN ELEVATION
NO SCALE



TYPICAL 1 COLUMN ELEVATION
NO SCALE

BRIDGE NAME	BENT NUMBER	FOUNDATION TYPE	COLUMN DATA (FT)			CAP DIMENTIONS (FT)		
			NUMBER	COL	COL HEIGHT	LENGTH*	CAP W	CAP H
S CLOVIS AVE	END BENT 1	DRILLED SHAFT OR PILE	1	5.5	36.5	35.02	7.50	6.50
	END BENT 2	DRILLED SHAFT OR PILE	1	5.5	36.5	35.02	7.50	6.50
E ELKHORN AVE	END BENT 1	DRILLED SHAFT OR PILE	2	5.0	39.5	65.54	7.00	6.00
	END BENT 2	DRILLED SHAFT OR PILE	2	5.0	39.5	65.54	7.00	6.00
S FOWLER AVE	END BENT 1	DRILLED SHAFT OR PILE	2	5.0	40.8	43.06	7.00	6.00
	END BENT 2	DRILLED SHAFT OR PILE	2	5.0	40.8	43.06	7.00	6.00
E DAVIS AVE	END BENT 1	DRILLED SHAFT OR PILE	2	5.0	38.3	72.19	7.00	6.00
	END BENT 2	DRILLED SHAFT OR PILE	2	5.0	38.3	72.19	7.00	6.00
DOVER AVE & 8TH AVE	END BENT 1	DRILLED SHAFT OR PILE	2	5.0	38.3	45.91	7.00	6.00
	END BENT 2	DRILLED SHAFT OR PILE	2	5.0	38.3	45.91	7.00	6.00
EXCELSIOR AVE	END BENT 1	DRILLED SHAFT OR PILE	2	5.0	38.9	43.96	7.00	6.00
	END BENT 2	DRILLED SHAFT OR PILE	2	5.0	38.9	43.96	7.00	6.00
ELDER AVE	END BENT 1	DRILLED SHAFT OR PILE	2	5.0	38.9	43.08	7.00	6.00
	END BENT 2	DRILLED SHAFT OR PILE	2	5.0	38.9	43.08	7.00	6.00
FLINT AVE	END BENT 1	DRILLED SHAFT OR PILE	2	5.0	39.5	43.01	7.00	6.00
	END BENT 2	DRILLED SHAFT OR PILE	2	5.0	39.5	43.01	7.00	6.00
FARGO	END BENT 1	DRILLED SHAFT OR PILE	1	5.5	38.4	35.00	7.50	6.50
	END BENT 3	DRILLED SHAFT OR PILE	1	5.5	38.4	35.00	7.50	6.50
HANFORD ARMONA	END BENT 1	DRILLED SHAFT OR PILE	2	5.0	34.5	43.00	7.00	6.00
	END BENT 2	DRILLED SHAFT OR PILE	2	5.0	34.5	43.00	7.00	6.00
HOUSTON AVE	END BENT 1	DRILLED SHAFT OR PILE	2	5.0	27.0	43.00	7.00	6.00
	END BENT 7	DRILLED SHAFT OR PILE	2	5.0	27.0	43.00	7.00	6.00
IONA AVE	END BENT 1	DRILLED SHAFT OR PILE	1	5.5	35.9	35.00	7.50	6.50
	END BENT 2	DRILLED SHAFT OR PILE	1	5.5	35.9	35.00	7.50	6.50

*DIMENSION ON THE SKEW

NOTES:

1. SEE INDIVIDUAL BRIDGE SHEETS FOR MORE INFORMATION

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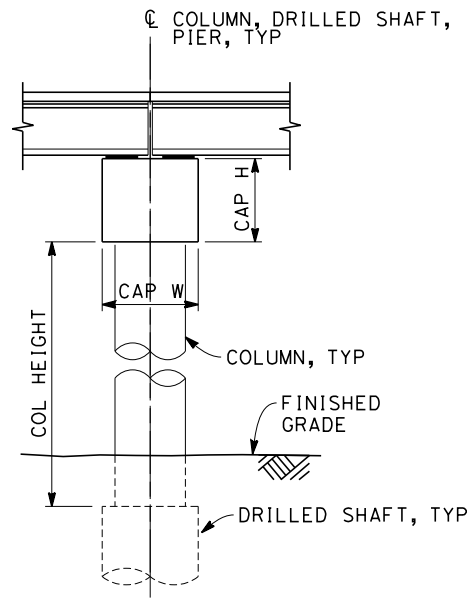


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

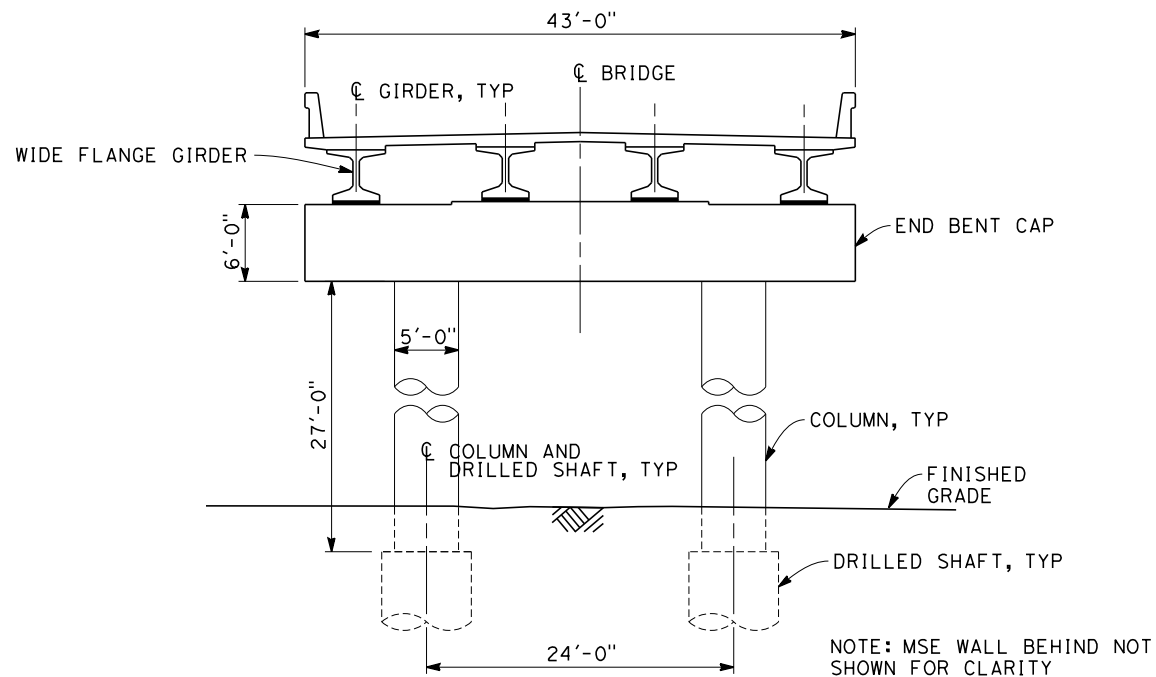
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
END BENT DETAILS
ALIGNMENT H
OVERHEAD PLANNING STUDY
SHEET 1 OF 2

CONTRACT NO.
HSR 06-0003
DRAWING NO.
DETAILS
SCALE
AS SHOWN
SHEET NO.
1 OF 2

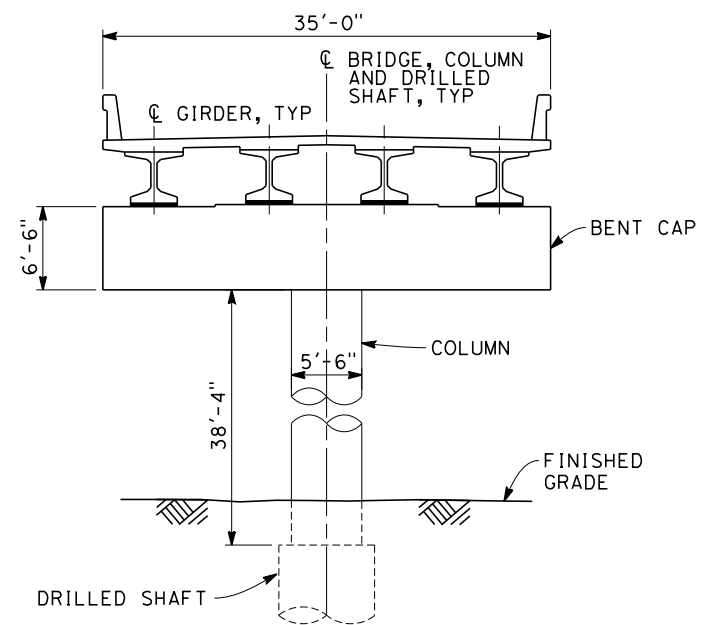
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TYPICAL BENT SECTION
NO SCALE



HOUSTON TYPICAL BENT ELEVATION
NO SCALE



FARGO BENT ELEVATION
NO SCALE

BRIDGE NAME	BENT NUMBER	FOUNDATION TYPE	COLUMN DATA (FT)			CAP DIMENTIONS (FT)		
			NUMBER	COL	COL HEIGHT	LENGTH	CAP W	CAP H
FARGO	INT BENT 2	DRILLED SHAFT OR PILE	1	5.5	38.4	35.0	7.50	6.50
HOUSTON AVE	INT BENT 2	DRILLED SHAFT OR PILE	2	5.0	27.0	43.0	7.00	6.00
	INT BENT 3	DRILLED SHAFT OR PILE	2	5.0	27.0	43.0	7.00	6.00
	INT BENT 4	DRILLED SHAFT OR PILE	2	5.0	27.0	43.0	7.00	6.00
	INT BENT 5	DRILLED SHAFT OR PILE	2	5.0	27.0	43.0	7.00	6.00
	INT BENT 6	DRILLED SHAFT OR PILE	2	5.0	27.0	43.0	7.00	6.00

- NOTES:
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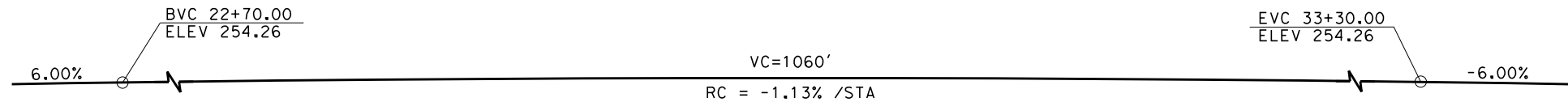
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CONSTRUCTION**



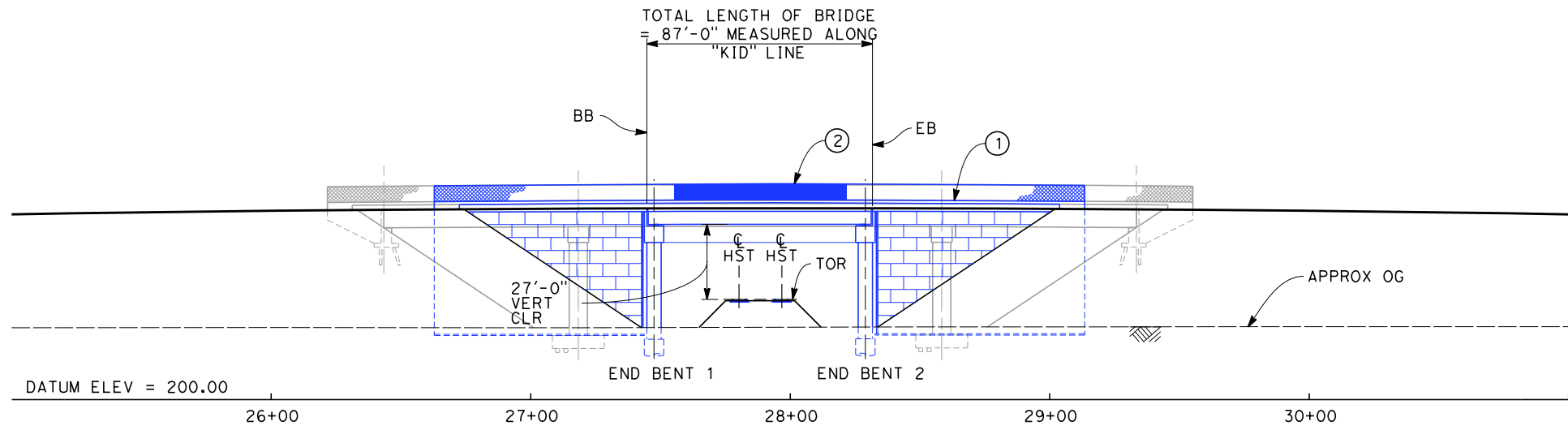
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
BENT DETAILS
ALIGNMENT H
OVERHEAD PLANNING STUDY
SHEET 2 OF 2

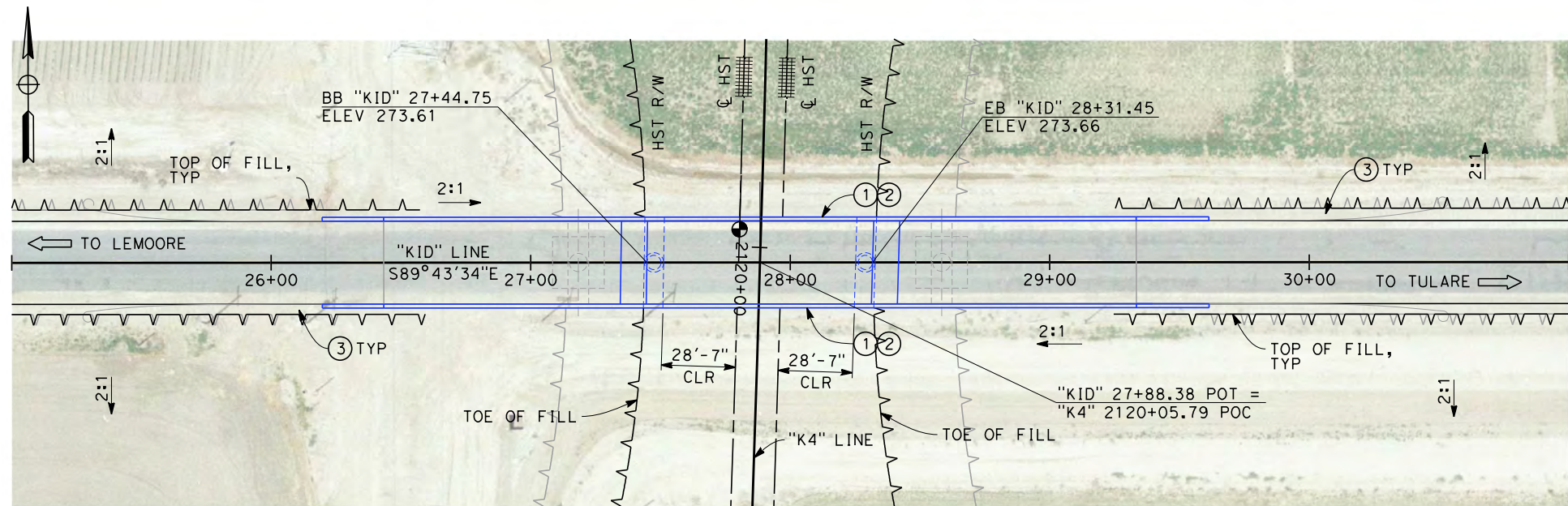
CONTRACT NO.
HSR 06-0003
DRAWING NO.
DETAILS
SCALE
AS SHOWN
SHEET NO.
2 OF 2



PROFILE GRADE
NO SCALE



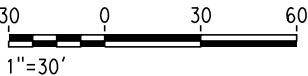
ELEVATION
SCALE: 1"=30'



PLAN
SCALE: 1"=30'

NOTES:
1. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

- LEGEND:
- ① CONCRETE BARRIER WITH AR FENCE
 - ② AR FENCE WITH SOLID PLATE OVER HST
 - ③ MBGR
- RFP DESIGN
— DFS PROPOSED



10/10/2014 1:47:11 PM c:\pwworking\ndal\hal\id\ad0175804\FB-ST-2220-K4.dgn hal\id

DISCLAIMER:
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DESIGNED BY
C. CAYWOOD
DRAWN BY
D. HALL
CHECKED BY
D. JONES
IN CHARGE
R. TREVETT
DATE
10/09/14

**RECORD SET 15%
DESIGN SUBMISSION**

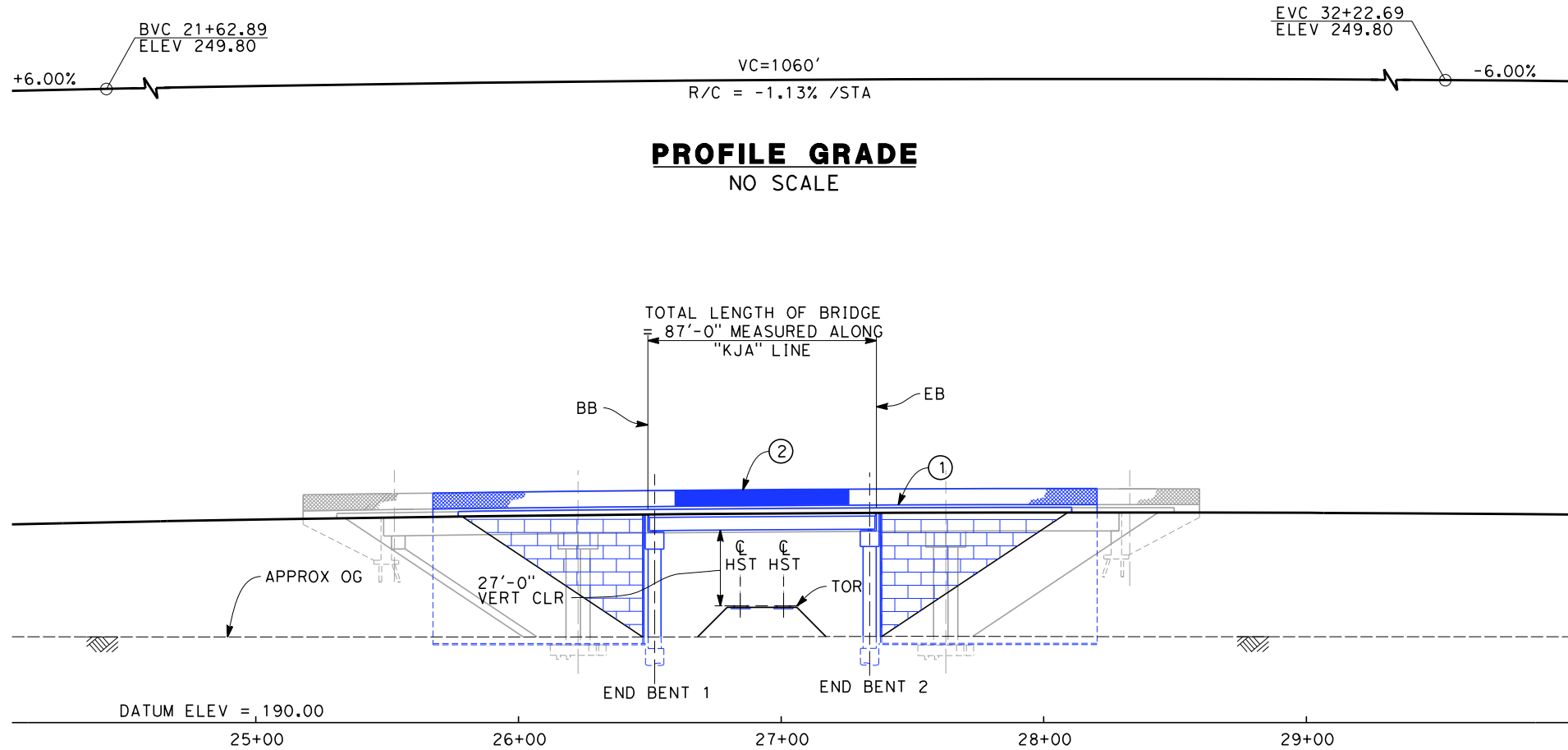
**NOT FOR
CONSTRUCTION**



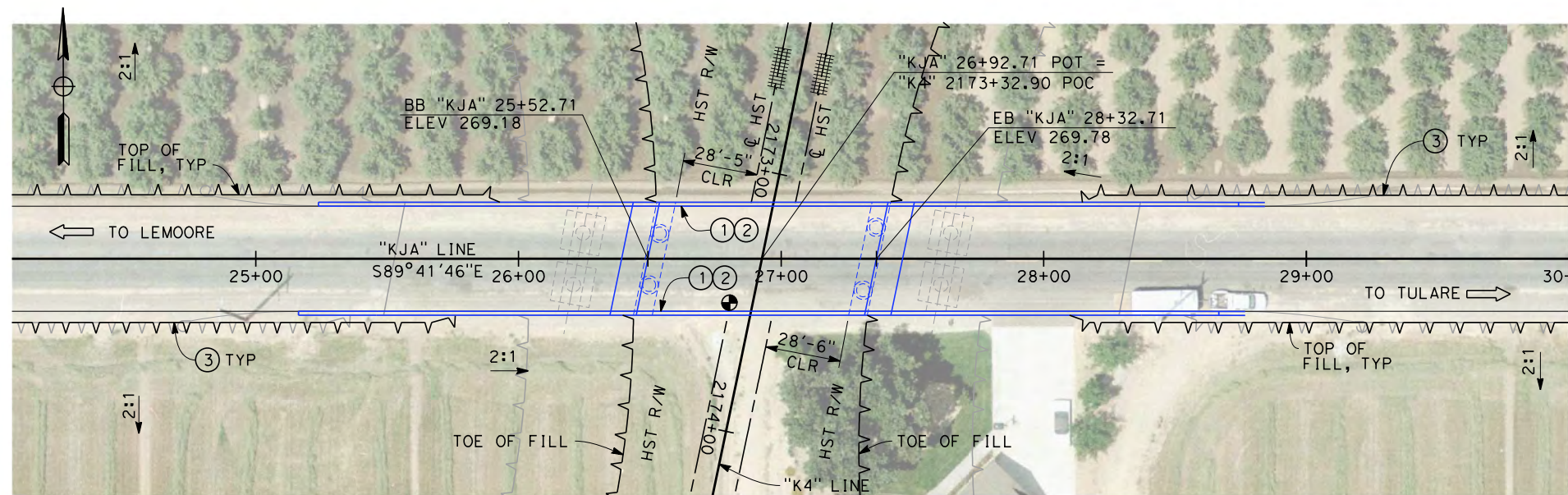
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KAWEAH SUBSECTION
ALIGNMENT K4
OVERHEAD PLANNING STUDY
IDAHO AVE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
ST2220
SCALE
AS SHOWN
SHEET NO.
2 OF 5



ELEVATION
SCALE: 1"=30'



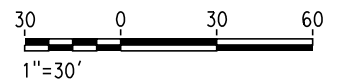
PLAN
SCALE: 1"=30'

NOTES:

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LEGEND:

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- ② AR FENCE WITH SOLID PLATE OVER HST
- ③ MBGR
- RFP DESIGN
- DFS PROPOSED



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C. CAYWOOD
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D. JONES
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R. TREVETT
DATE
10/09/14

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DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

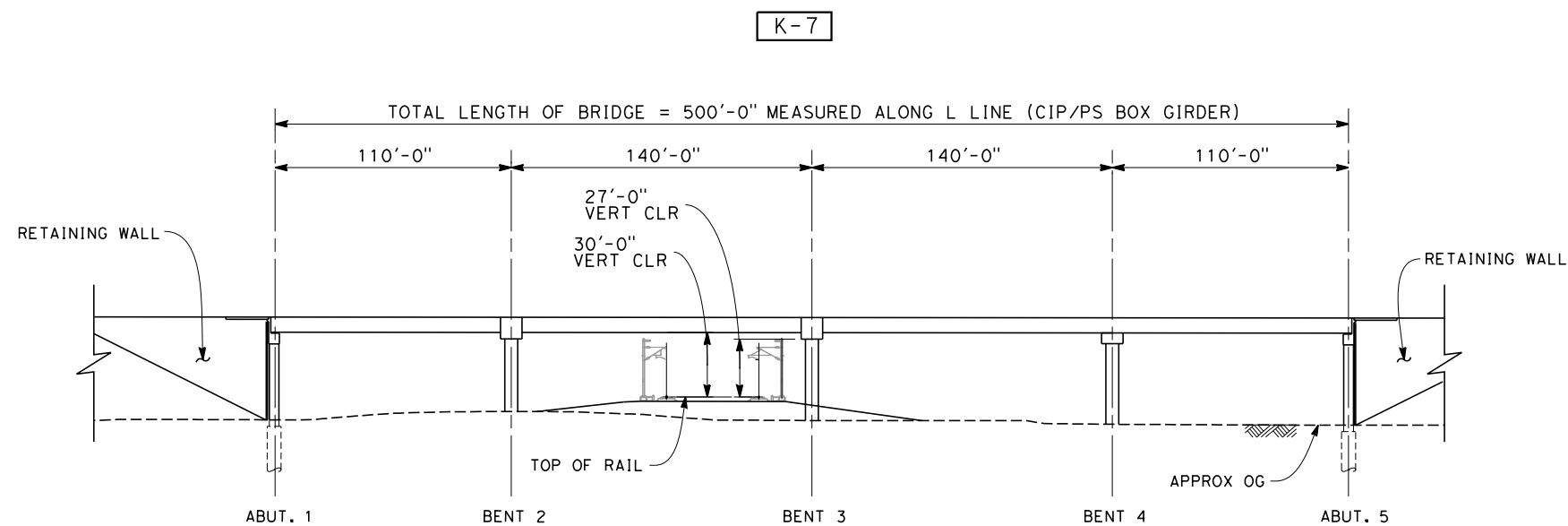


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

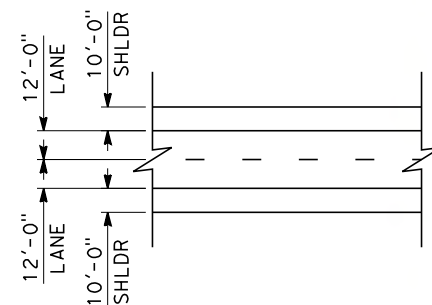
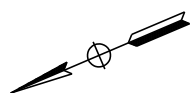
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KAWEAH SUBSECTION
ALIGNMENT K4
OVERHEAD PLANNING STUDY
JACKSON AVE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
ST2222
SCALE
AS SHOWN
SHEET NO.
3 OF 5

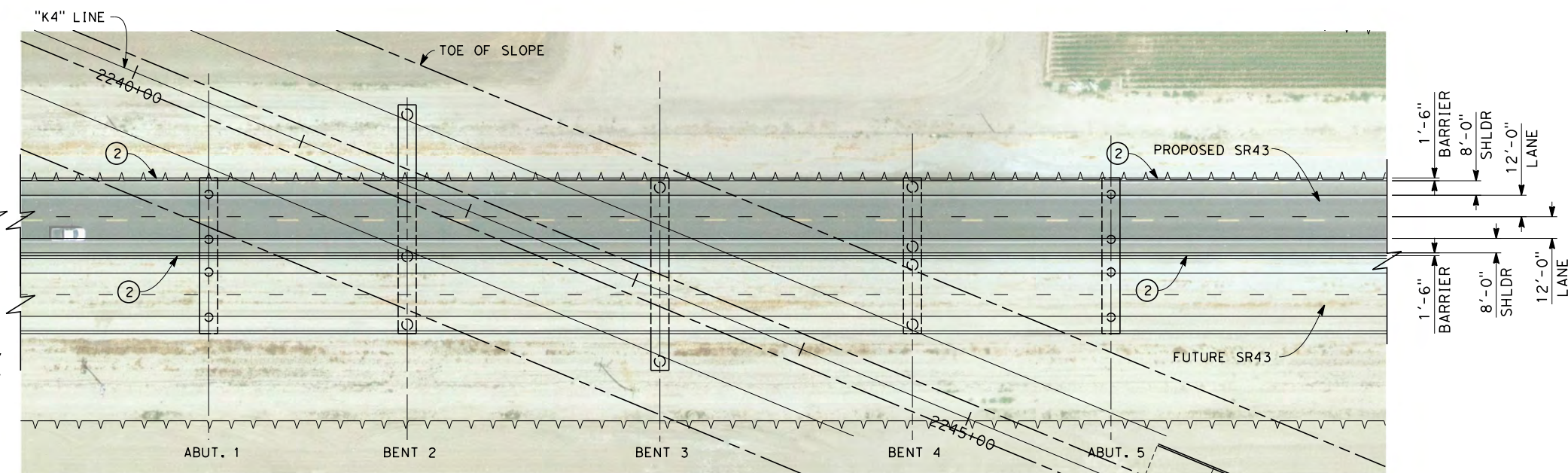
- NOTES
1. SUPERSTRUCTURE CONSTRUCTION, UON
CONTINUOUS SPANS - CIP/PS CONC.
BOX GIRDER
 2. ELEVATED SLABS - PC BEAM AND
IN-SITU SLAB
 3. REFER TO TRACK ALIGNMENT DATA
TABLE FOR CURVE AND TANGENT
INFORMATION.



ELEVATION
SCALE 1" = 40'



EXISTING ROADWAY
SCALE 1" = 40'

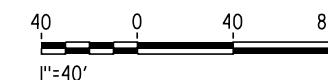


PLAN
SCALE 1" = 40'

- LEGEND:
- ① CEMENT TREATED STRUCTURE BACKFILL
 - ② RETAINING WALL

* ESTIMATED 100-YEAR FLOOD ELEVATION, SEE "FRESNO TO BAKERSFIELD CORRIDOR HYDROLOGY, HYDRAULICS AND DRAINAGE 15% DRAFT REPORT".

⊗ POINT OF MINIMUM CLEARANCE



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DESIGNED BY
K. LEE
DRAWN BY
A. PRICE
CHECKED BY
G. DREESZEN
IN CHARGE
R. TREVETT
DATE
10/09/14

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

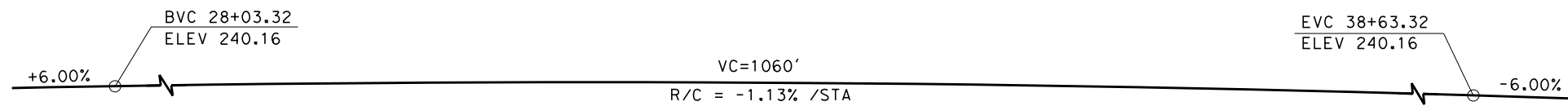


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

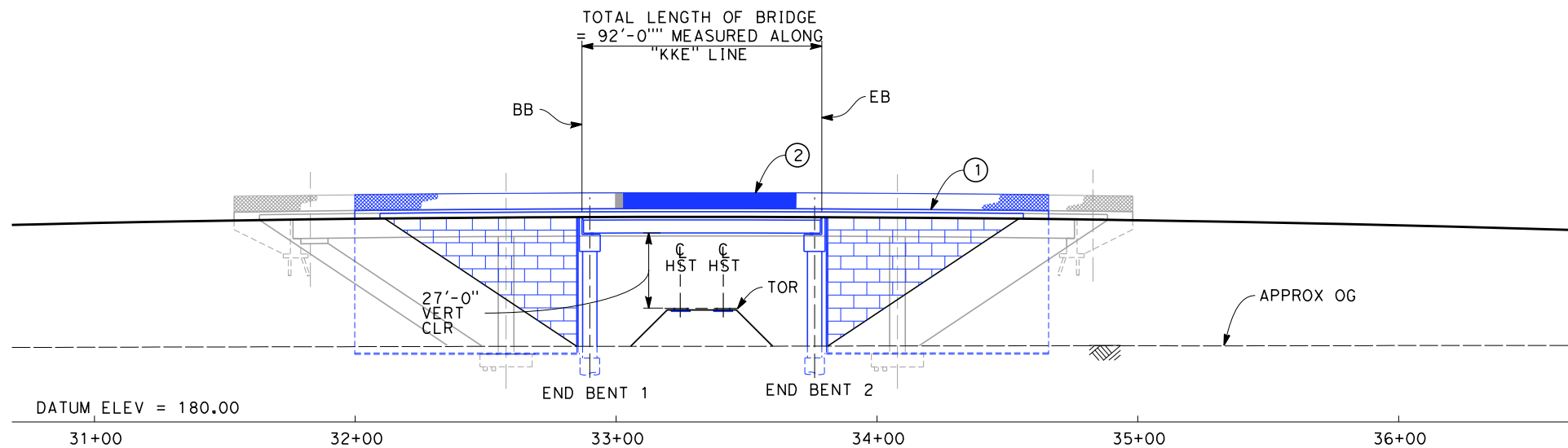
KAWEAH SUBSECTION
ALIGNMENT K4
STATE ROUTE 43 UNDERPASS
PLAN AND ELEVATION

CONTRACT NO.
HSR 06-0003
DRAWING NO.
SV2451
SCALE
AS SHOWN
SHEET NO.
2 OF 3



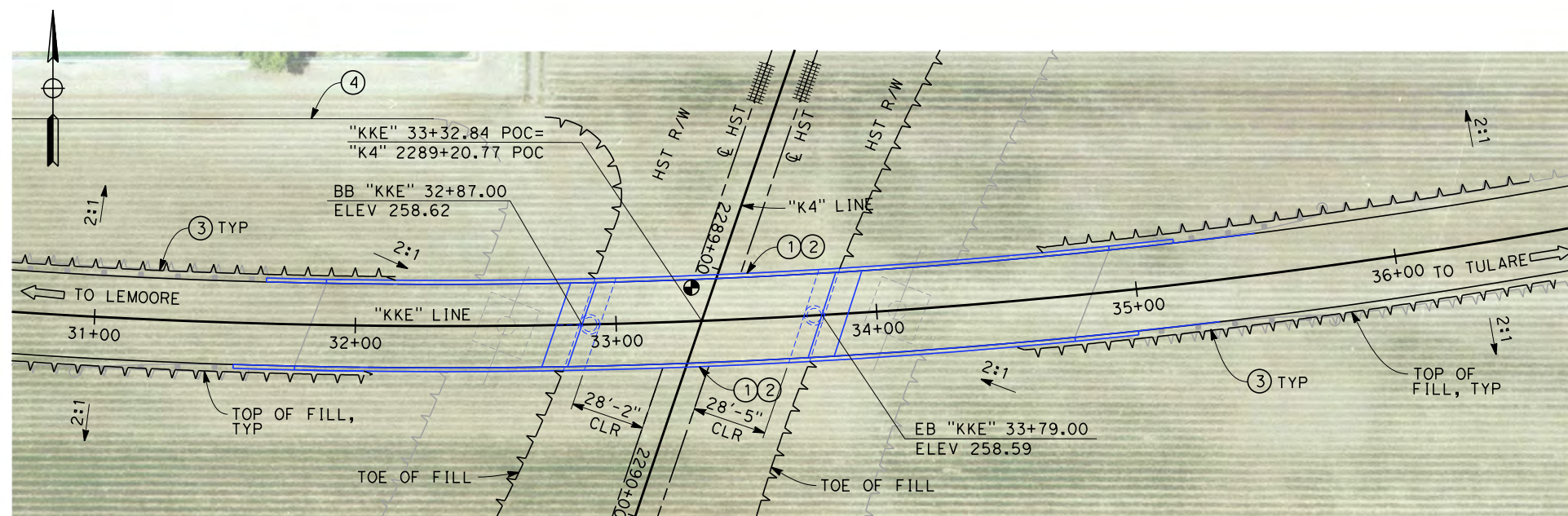
PROFILE GRADE

NO SCALE



ELEVATION

SCALE: 1"=30'



PLAN

SCALE: 1"=30'

NOTES:

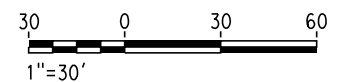
1. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

LEGEND:

- ① CONCRETE BARRIER WITH AR FENCE
- ② AR FENCE WITH SOLID PLATE OVER HST
- ③ MBGR
- ④ RETAINING WALL

_____ RFP DESIGN

DFS PROPOSED



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DESIGNED BY C. CAYWOOD
DRAWN BY D. HALL
CHECKED BY D. JONES
IN CHARGE R. TREVETT
DATE 10/09/1

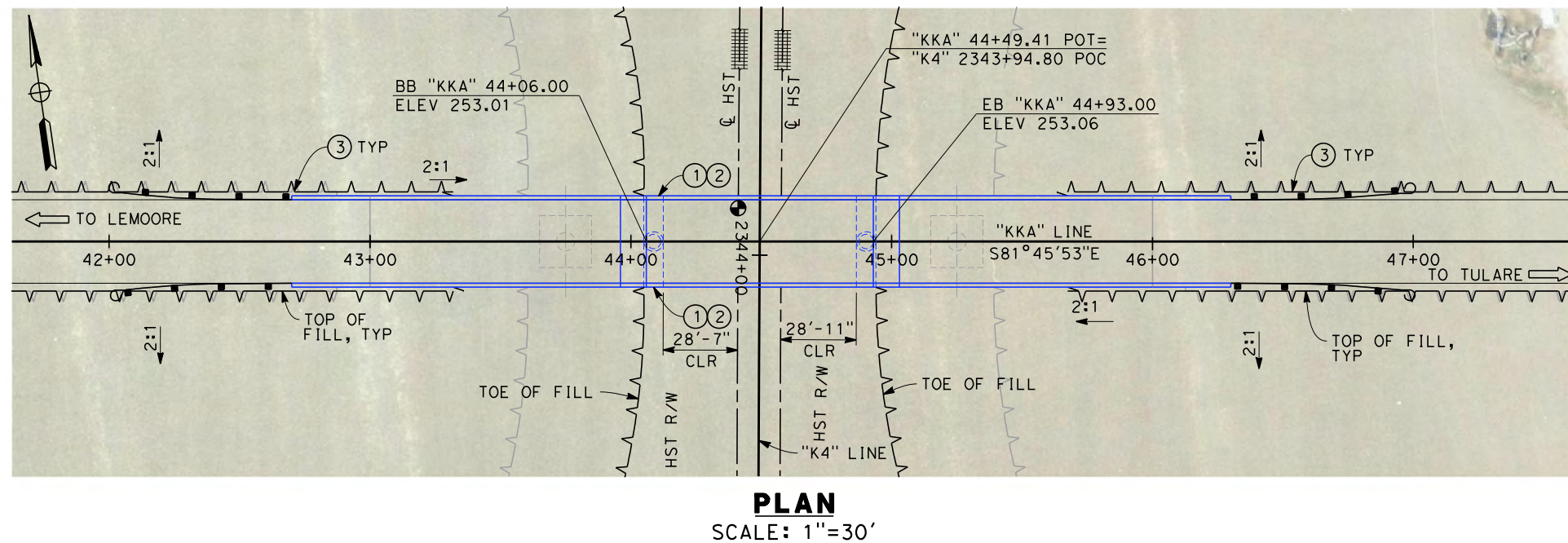
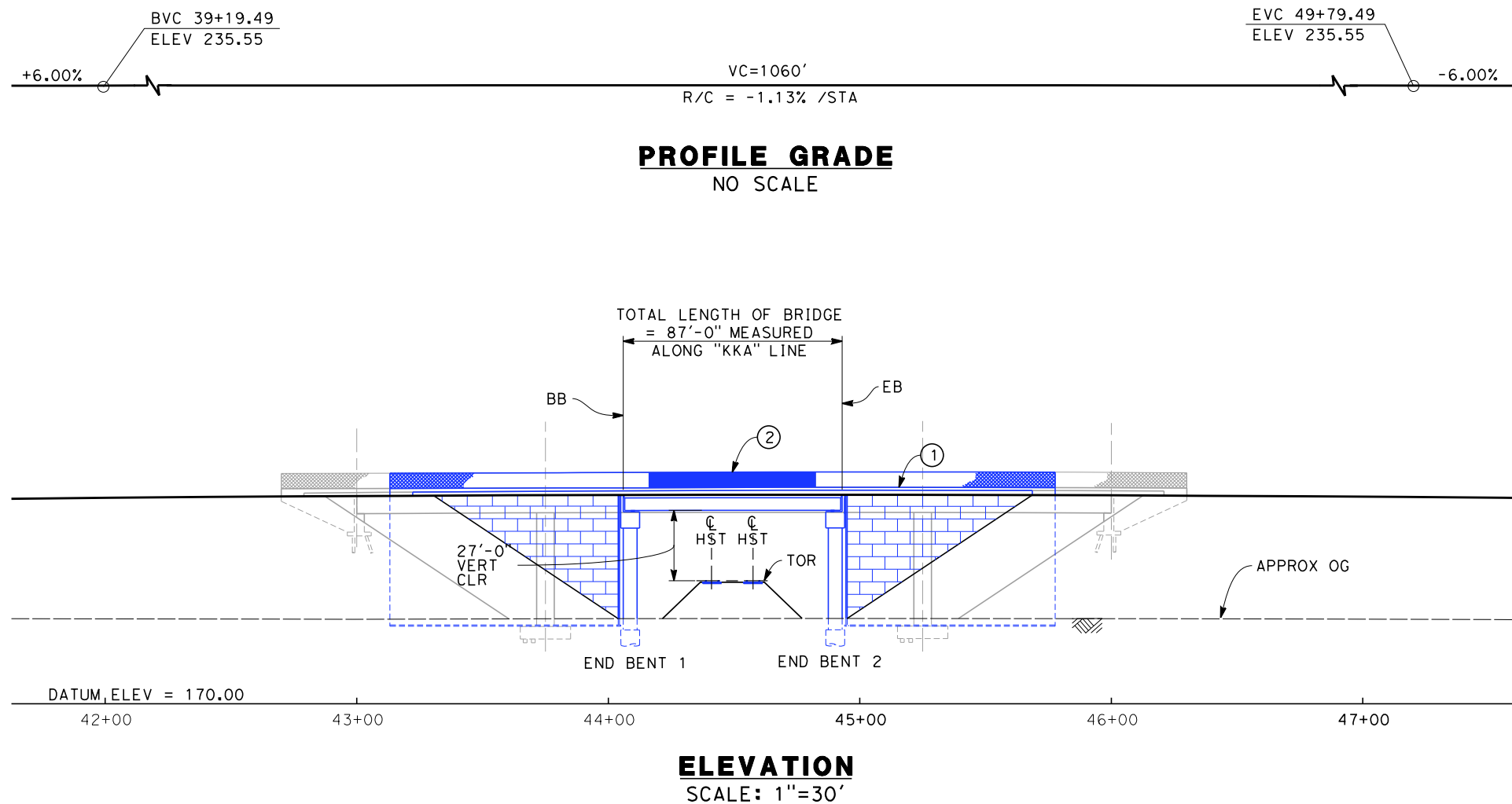
**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

KAWEAH SUBSECTION
ALIGNMENT K4
OVERHEAD PLANNING STUDY
KENT AVE

CONTRACT NO.	HSR 06-0003
DRAWING NO.	ST2226
SCALE	AS SHOWN
SHEET NO.	4 OF 5



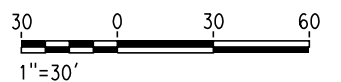
NOTES:

1. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA,
AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

LEGEND:

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- ② AR FENCE WITH SOLID PLATE OVER HST
- ③ MBGR

_____ RFP DESIGN
_____ DFS PROPOSED



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N	DESIGNED BY C. CAYWOOD
	DRAWN BY D. HALL
T	CHECKED BY D. JONES
	IN CHARGE R. TREVETT
	DATE 10/09/14

**RECORD SET 15%
DESIGN SUBMISSION**

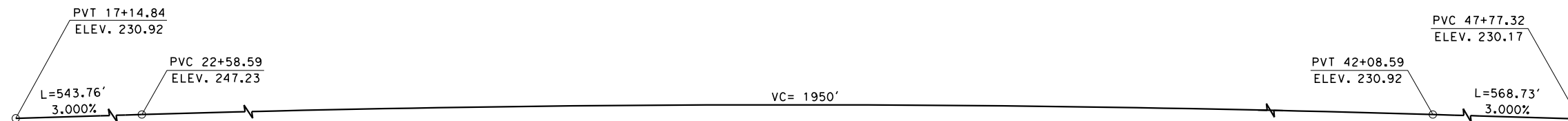
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**NOT FOR
CONSTRUCTION**

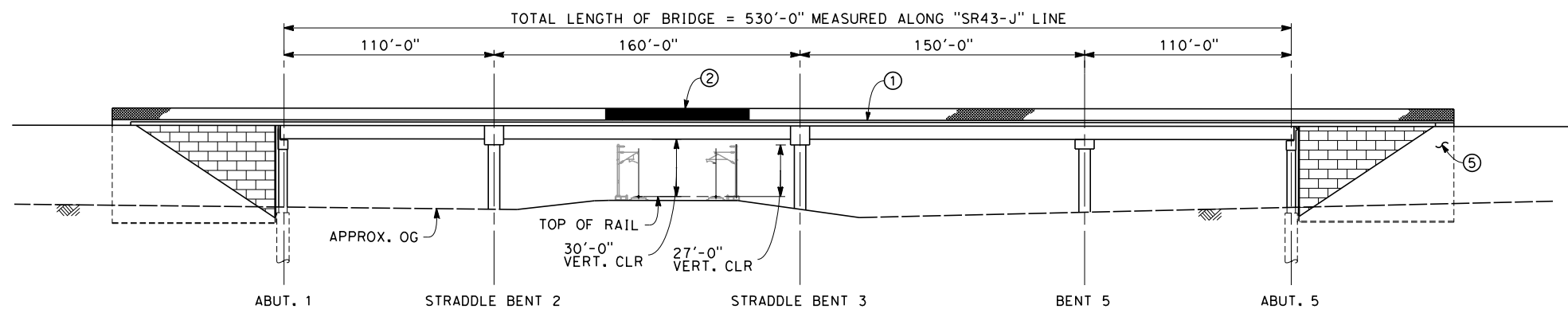


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KAWEAH SUBSECTION
ALIGNMENT K4
OVERHEAD PLANNING STUDY
KANSAS AVE

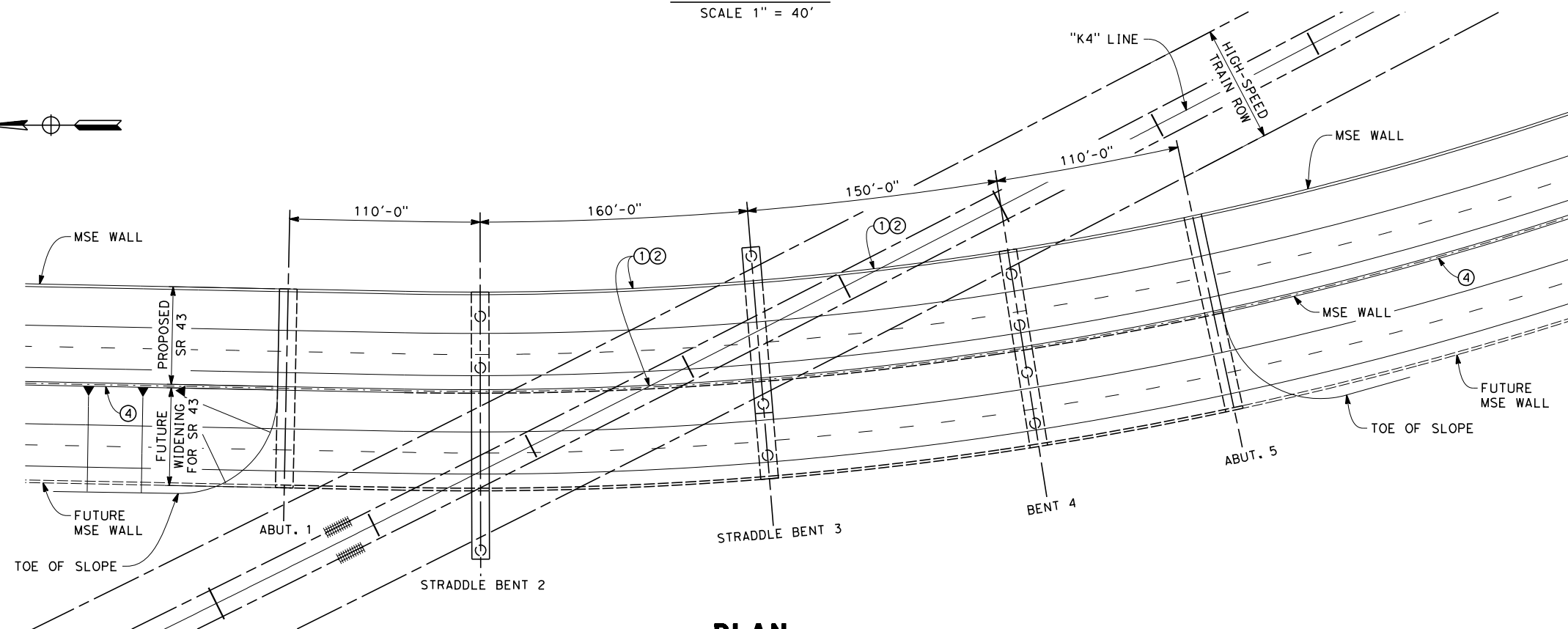
CONTRACT NO.	HSR 06-0003
DRAWING NO.	ST2228
SCALE	AS SHOWN
SHEET NO.	5 OF 5



PROFILE GRADE
NO SCALE



ELEVATION
SCALE 1" = 40'



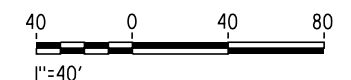
PLAN
SCALE 1" = 40'

NOTES:

1. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

LEGEND:

- ① CONCRETE BARRIER WITH AR FENCE
- ② AR FENCE WITH SOLID PLATE OVER HST
- ③ FUTURE UTILITY ENCASEMENT OPENING
- ④ MBGR
- ⑤ RETAINING WALL, TYPE TO BE DETERMINED



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K. LEE
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A. PRICE
CHECKED BY
G. DREESZEN
IN CHARGE
R. TREVETT
DATE
10/09/14

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CONSTRUCTION**



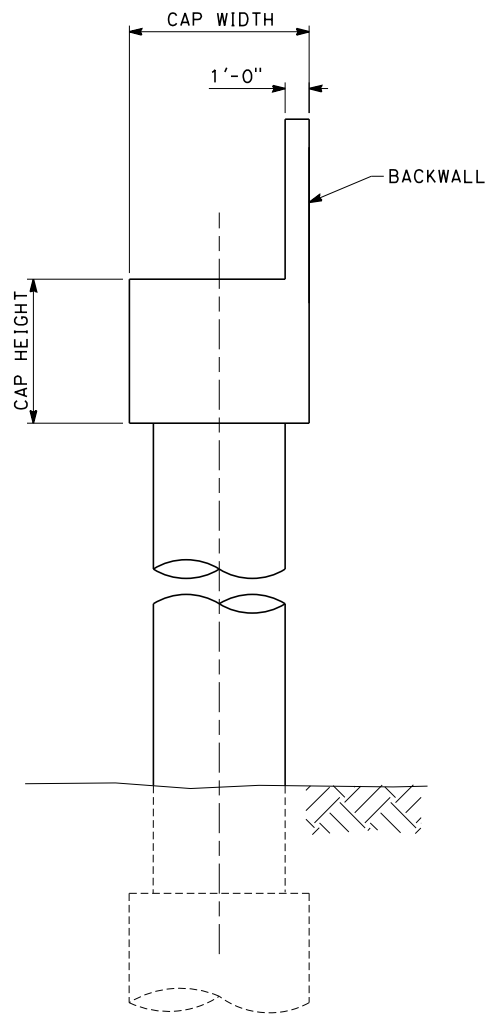
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

ATC 2 - FUTURE WIDENING OF
SR 43 OVER HST
STA. 2535+00

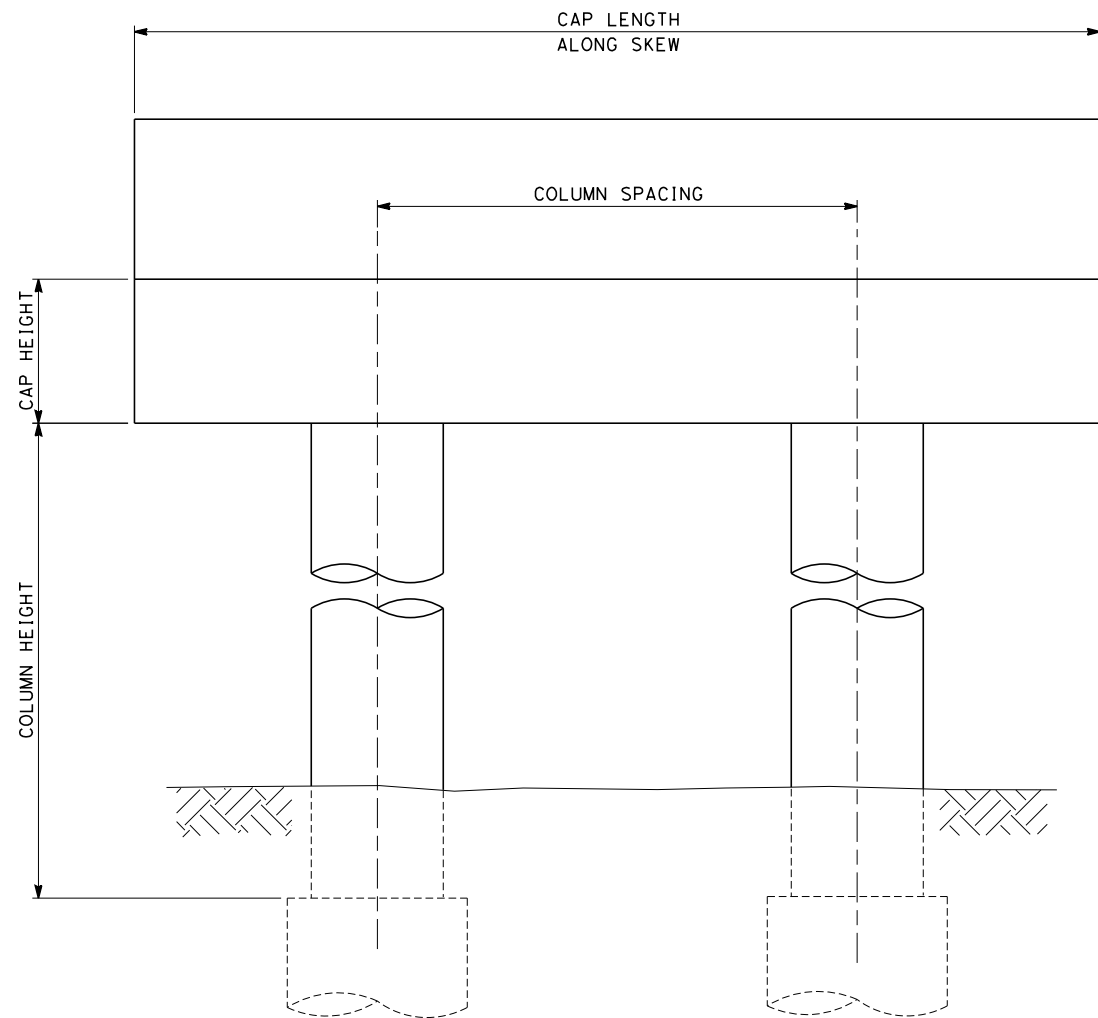
CONTRACT NO.
DRAWING NO.
SCALE
SHEET NO.

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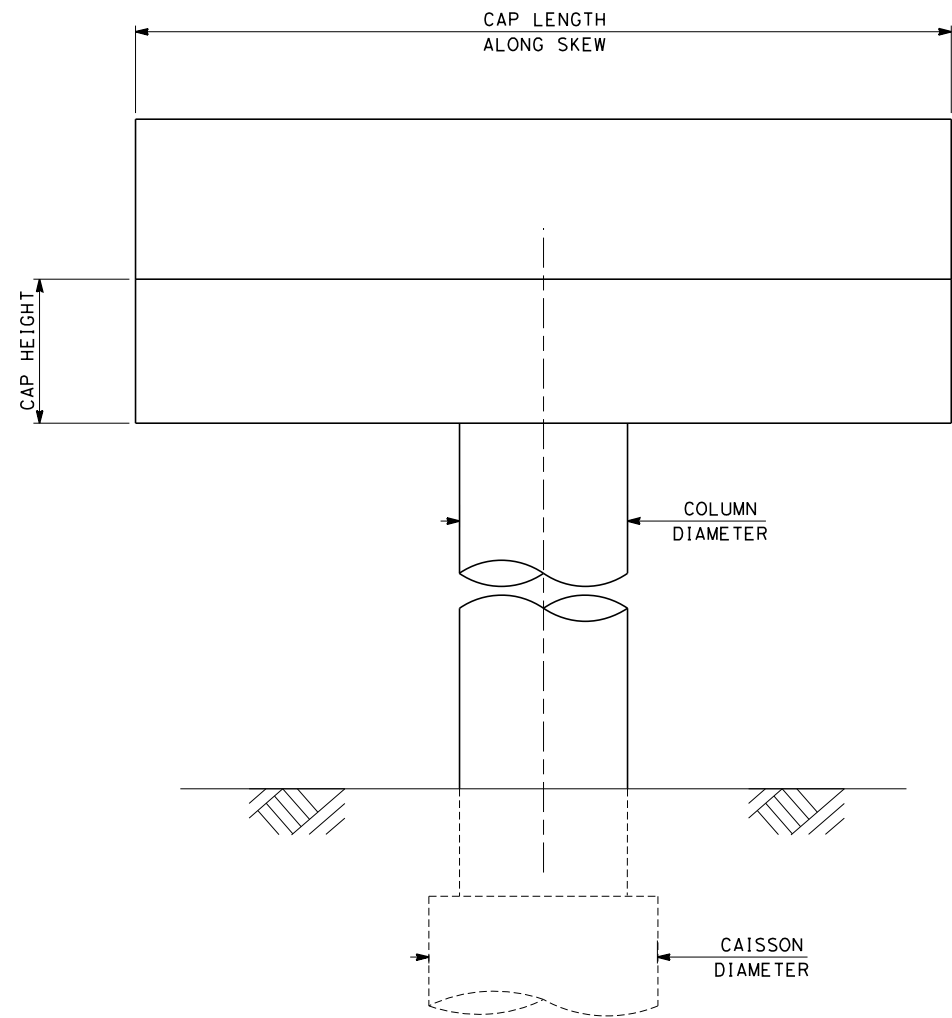
END BENT - END ELEVATION

IDAHO, JACKSON, KENT, & KANSAS AVENUES



END BENT ELEVATION

JACKSON AVENUE



END BENT ELEVATION

IDAHO, KENT, & KANSAS AVENUES

	NUMBER OF COLUMNS	COLUMN SPACING (ft.)	COLUMN DIAMETER (ft.)	CAISSON DIAMETER (ft.)	COLUMN HEIGHT (ft.)	CAP LENGTH (ft.)	CAP WIDTH (ft.)	CAP HEIGHT (ft.)
IDAHO AVENUE	1	--	5.5	7.5	34.0	35.0	7.5	6.5
JACKSON AVENUE	2	24	5.0	7.0	35.8	43.0	7.0	6.0
KENT AVENUE	1	--	5.5	7.5	36.5	35.0	7.5	6.5
KANSAS AVENUE	1	--	5.5	7.5	37.1	35.0	7.5	6.5

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D. JONES
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R. TREVETT
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10/09/14

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DESIGN SUBMISSION**

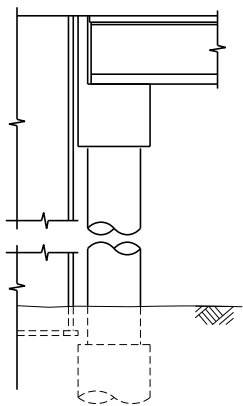
**NOT FOR
CONSTRUCTION**



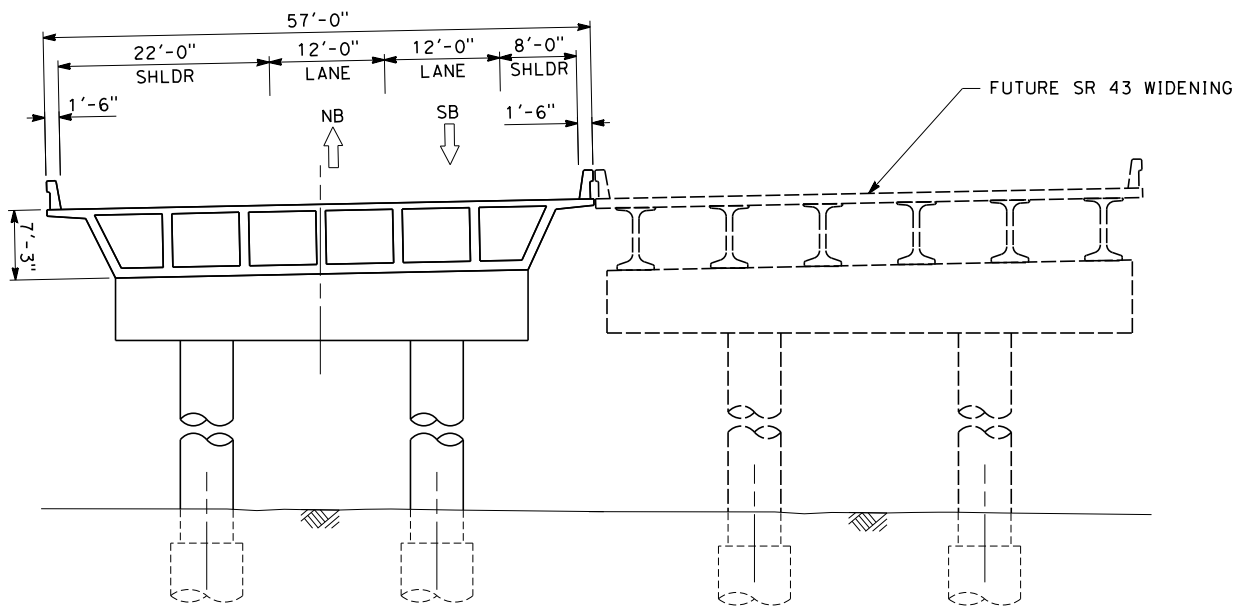
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KAWEAH SUBSECTION
ALIGNMENT K4
ROADWAY BRIDGES
END BENT DETAILS

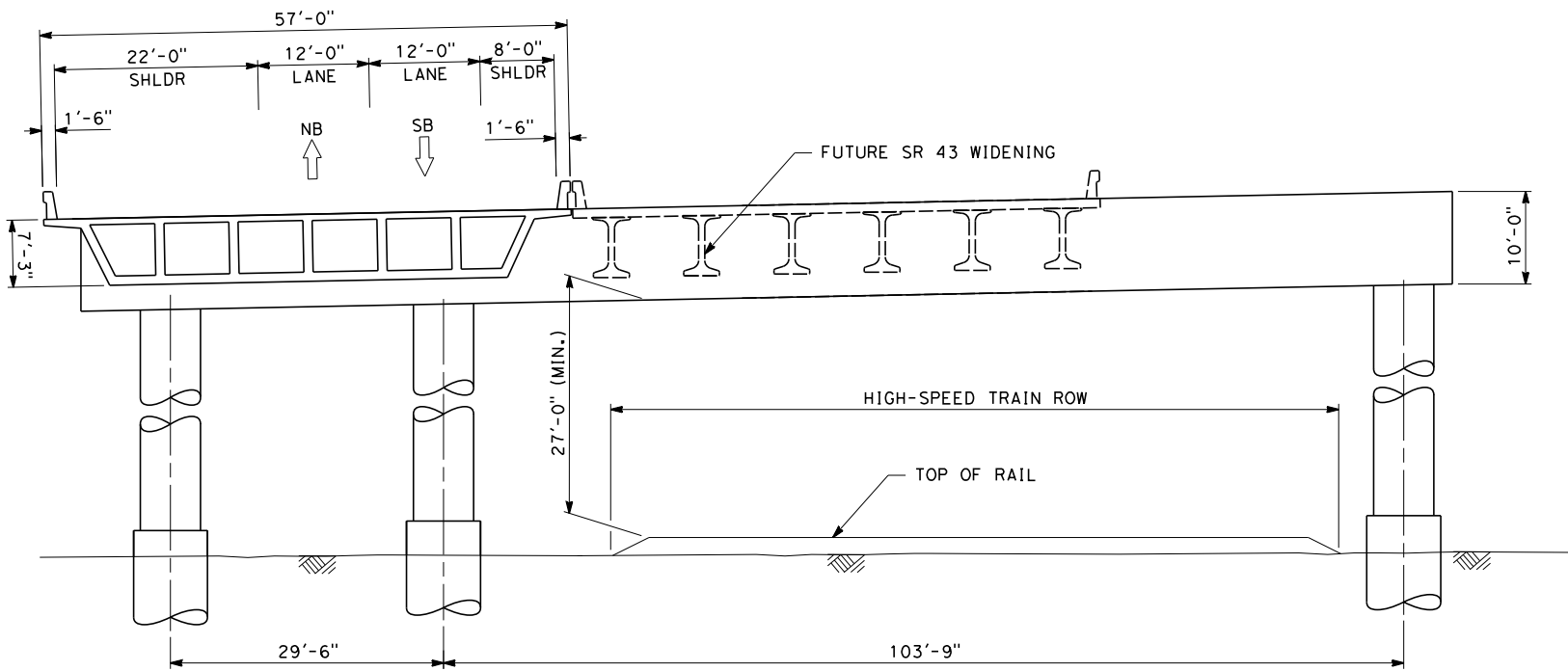
CONTRACT NO.
HSR 06-0003
DRAWING NO.
SV24XX
SCALE
AS SHOWN
SHEET NO.
X OF XX



END VIEW AT ABUTMENT



TYPICAL SECTION AT ABUTMENT



TYPICAL SECTION AT STRADDLE BENT 2

LOOKING SOUTH



10/10/2014 2:08:45 PM c:\pwworking\ndai\hal\id\0175804\SR43 ATC 2 PROP DETAILS K8-BENT 2.dgn

hal\id

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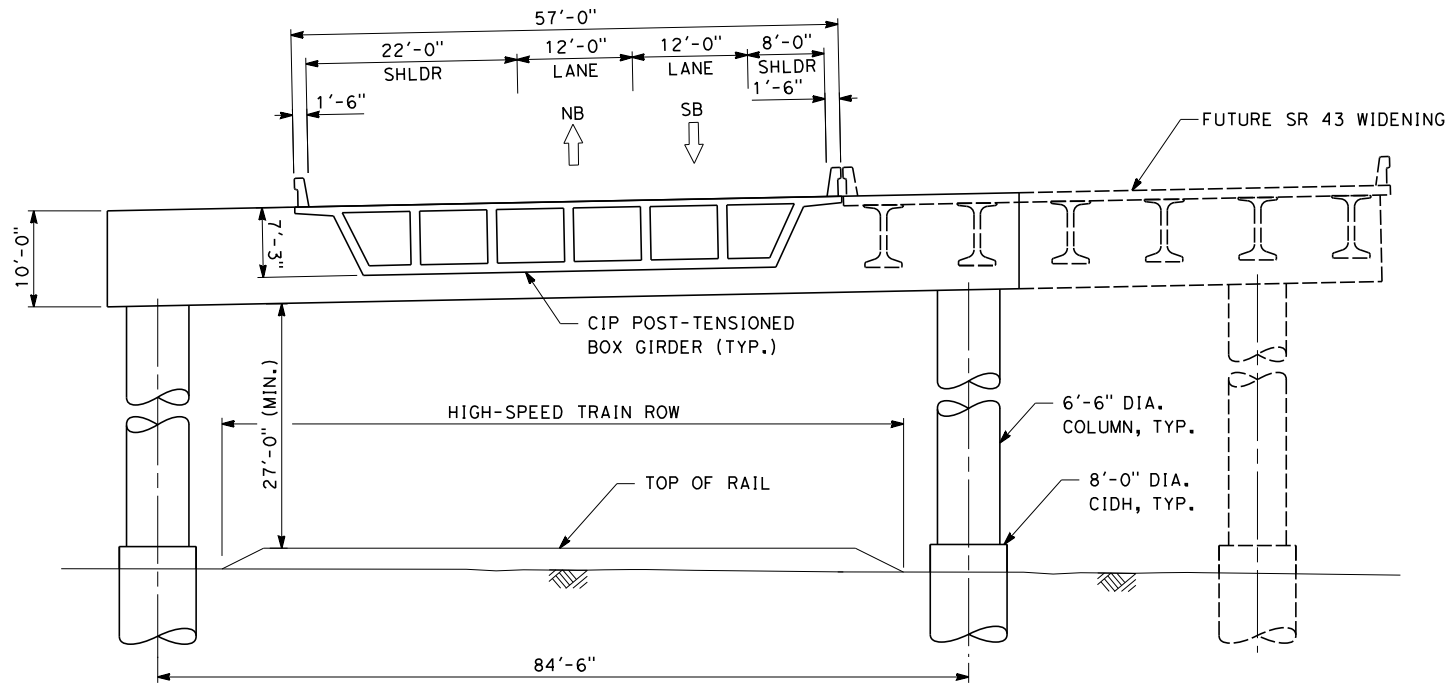
RECORD SET 15%
DESIGN SUBMISSION
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CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

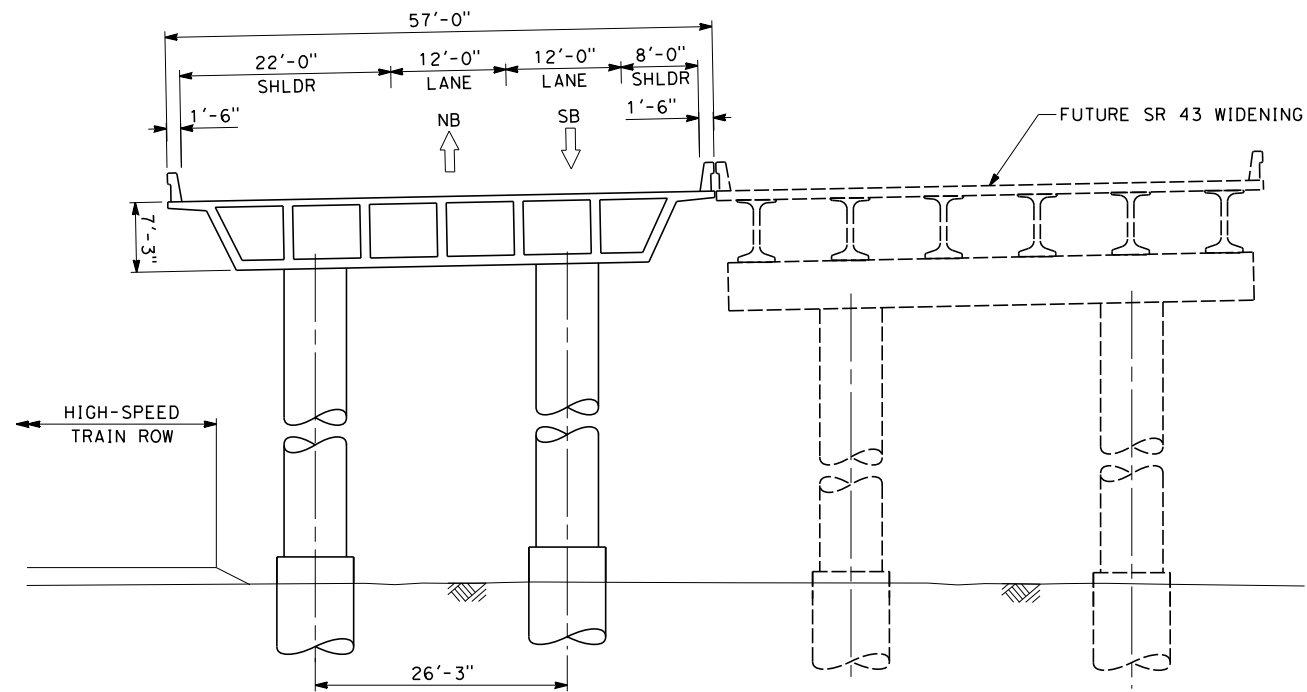
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
ATC 2 - FUTURE WIDENING OF
SR 43 OVER HST
STA. 2535+00
SECTION AT ABUTMENT & BENT 2

CONTRACT NO.
DRAWING NO.
SCALE
SHEET NO.



TYPICAL SECTION AT STRADDLE BENT 3

LOOKING SOUTH



TYPICAL SECTION AT BENT 4

LOOKING SOUTH



REDUCTION IN CONSTRUCTION LIMITS

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K. LEE
DRAWN BY
A. PRICE
CHECKED BY
G. DREESZEN
IN CHARGE
R. TREVETT
DATE
10/09/14

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

LOOKING SOUTH



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ATC 2 - FUTURE WIDENING OF
SR 43 OVER HST
STA. 2535+00
SECTION AT BENT 3 & 4

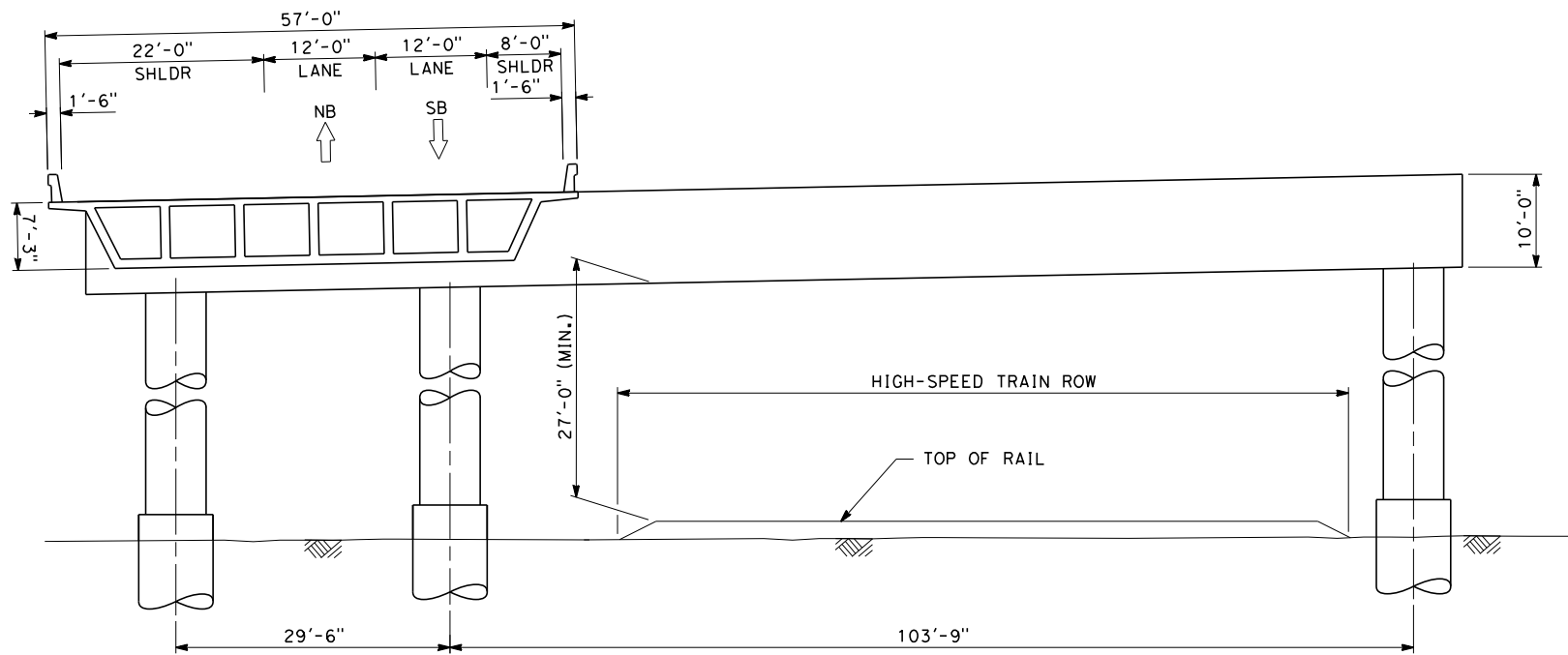
CONTRACT NO.

DRAWING NO.

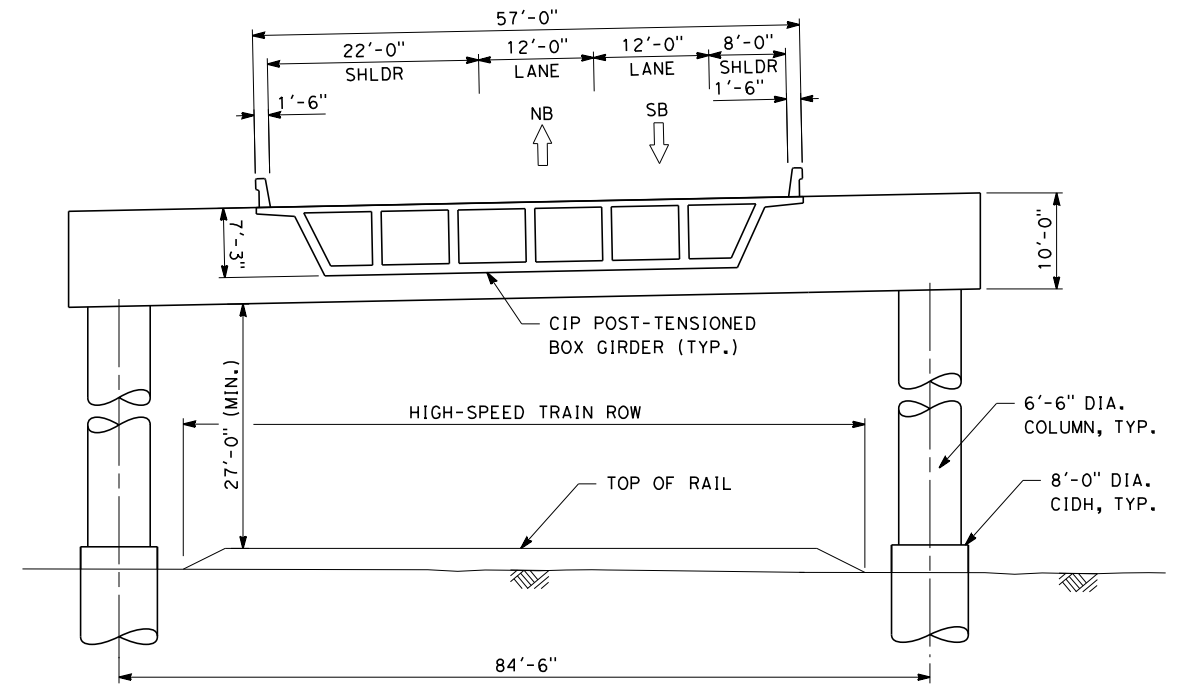
SCALE

SHEET NO.

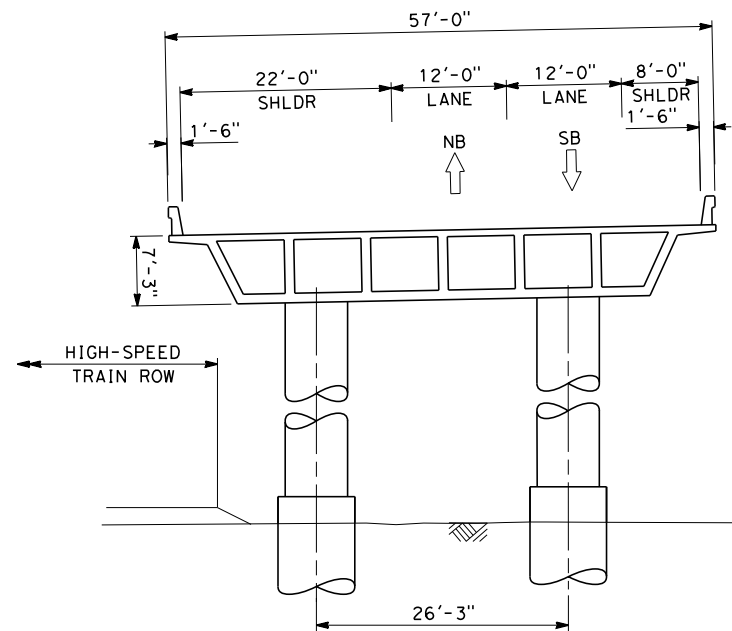
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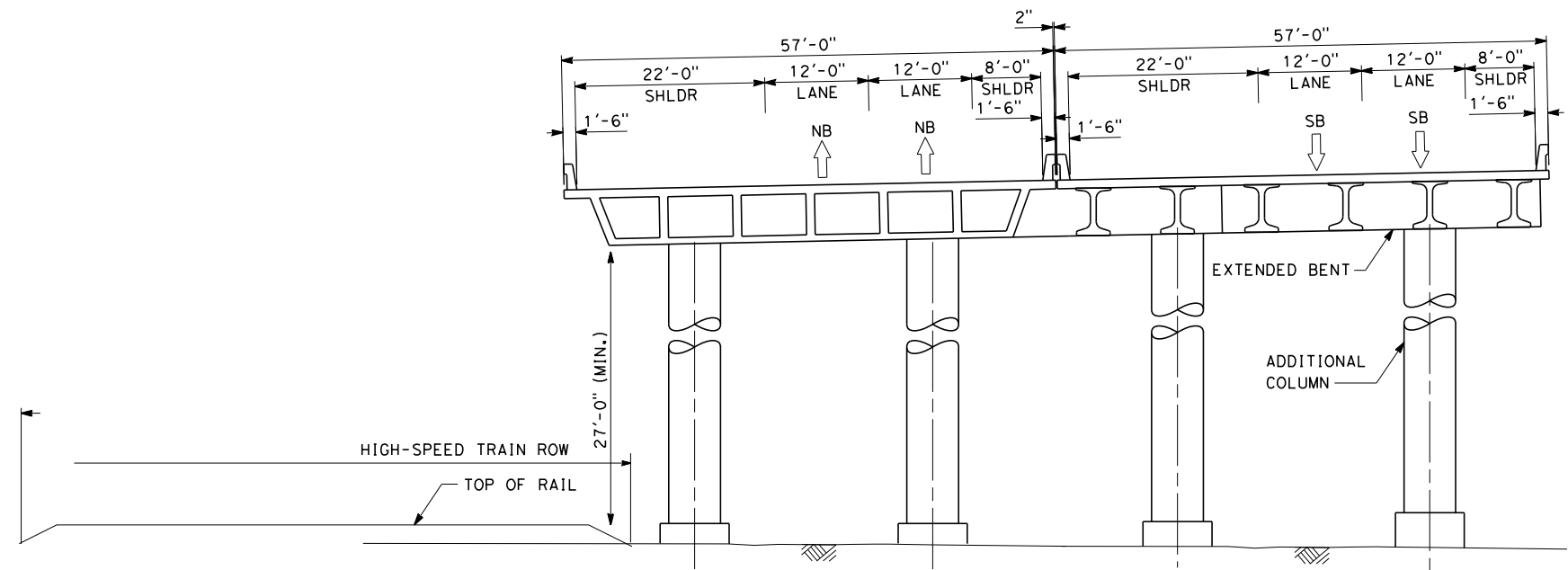
TYPICAL SECTION AT STRADDLE BENT 2
LOOKING SOUTH



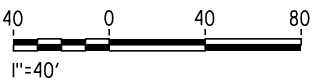
TYPICAL SECTION AT STRADDLE BENT 3
LOOKING SOUTH



TYPICAL SECTION AT BENT 4
LOOKING SOUTH



TYPICAL SECTION AT BENT 4
LOOKING SOUTH



REDUCTION IN CONSTRUCTION LIMITS

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IN CHARGE
R. TREVETT
DATE
10/09/14

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DESIGN SUBMISSION**

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CONSTRUCTION**



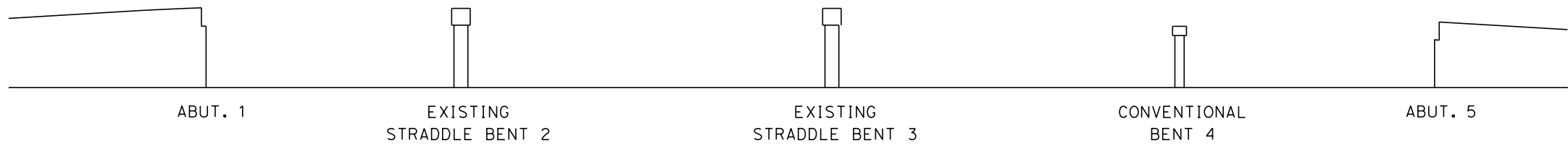
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

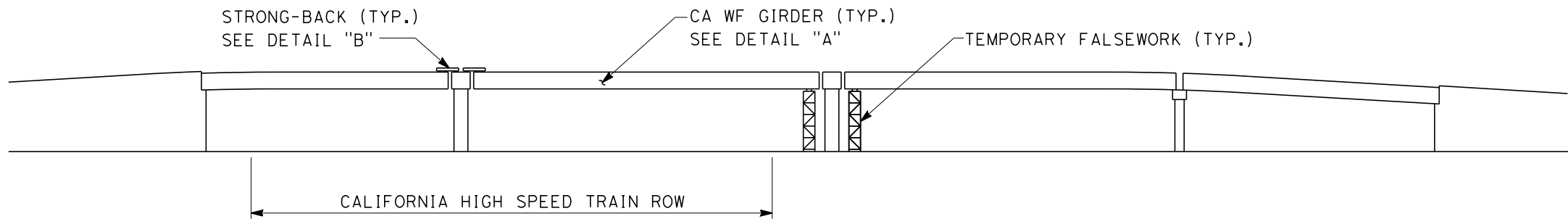
PROPOSED SR 43 OVER HST
STRUCTURE K-8

CONTRACT NO.
DRAWING NO.
SCALE
SHEET NO.

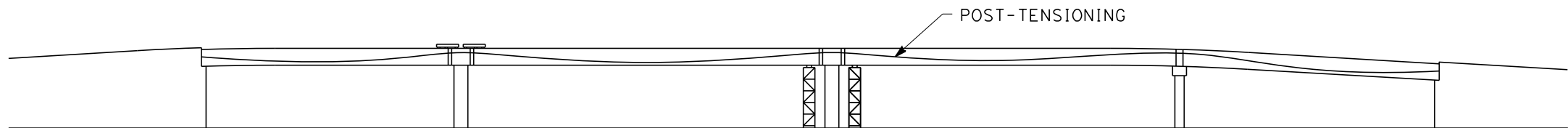
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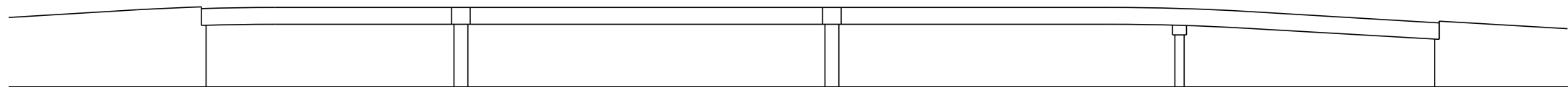
PHASE 1 - CONSTRUCT/EXTEND APPROACHES AND ABUTMENTS 1 AND 5 AND BENT 4 FOR WIDENING.



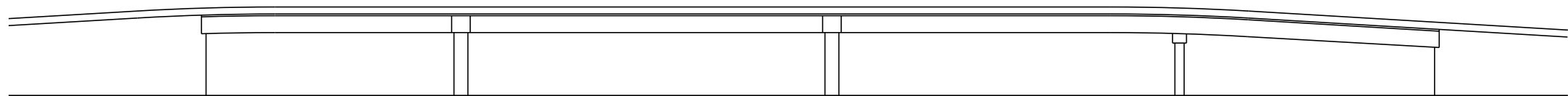
PHASE 2 - ERECT PRESTRESSED CONCRETE CA WF GIRDERS USING STRONG-BACKS AND FALSEWORK.



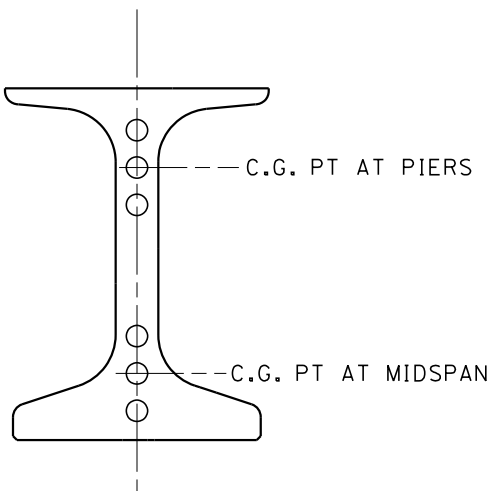
PHASE 3 - POUR CLOSURE JOINTS/SPLICES AT EACH PEIR. INSTALL AND STRESS CONTINUOUS POST-TENSIONING.



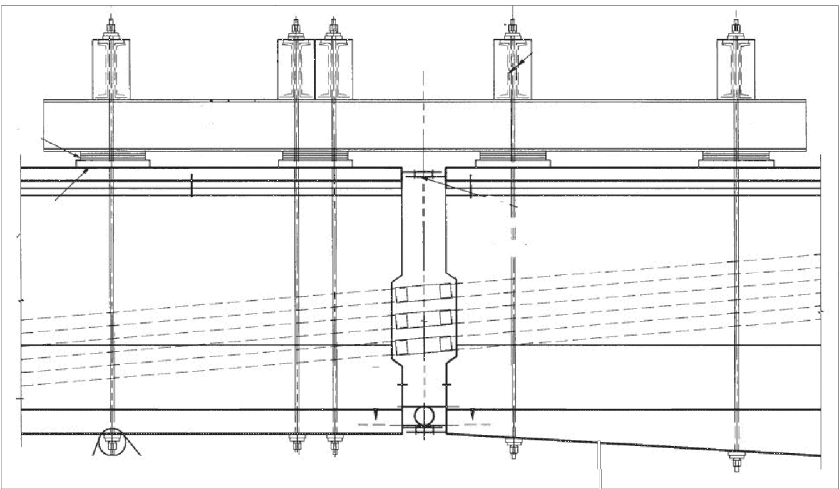
PHASE 4 - REMOVE STRONG-BACKS AND FALSEWORK. FORM DECK.



PHASE 5 - POUR DECK AND BARRIERS.



DETAIL "A"
CALIFORNIA STANDARD POST-TENSIONED
WIDE-FLANGE GIRDER



DETAIL "B"
SCHEMATIC OF STRONG-BACK USE
FOR ERECTING GIRDERS OVER
HST ROW WITHOUT FALSEWORK

REDUCTION IN CONSTRUCTION LIMITS

DISCLAIMER:
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DESIGNED BY
K. LEE
DRAWN BY
A. PRICE
CHECKED BY
G. DREESZEN
IN CHARGE
R. TREVETT
DATE
10/09/14

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

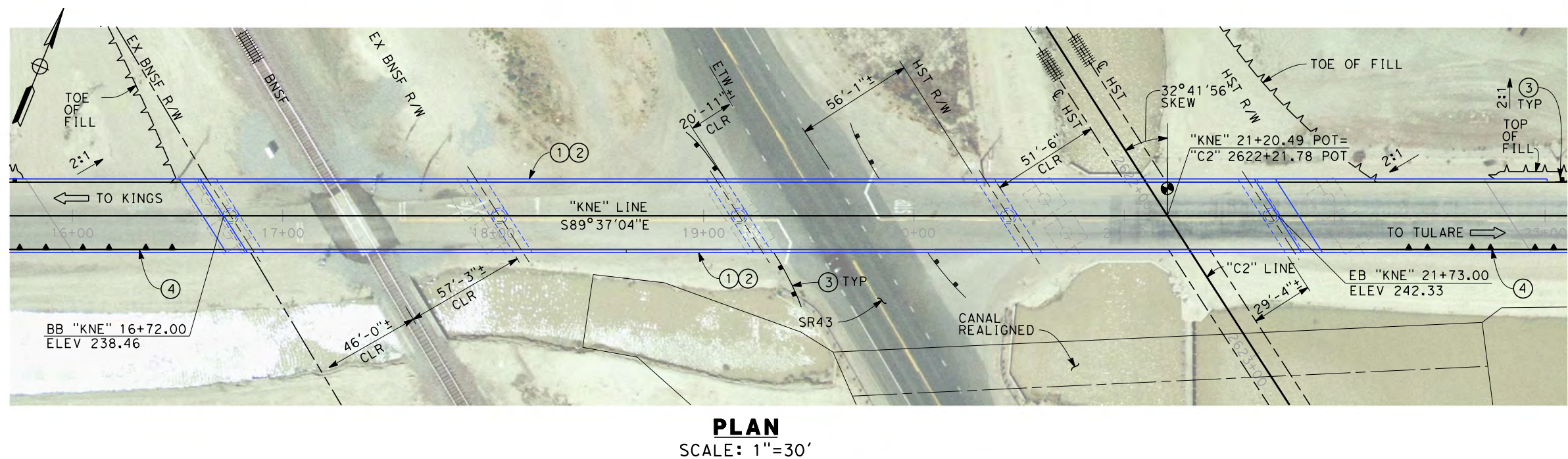
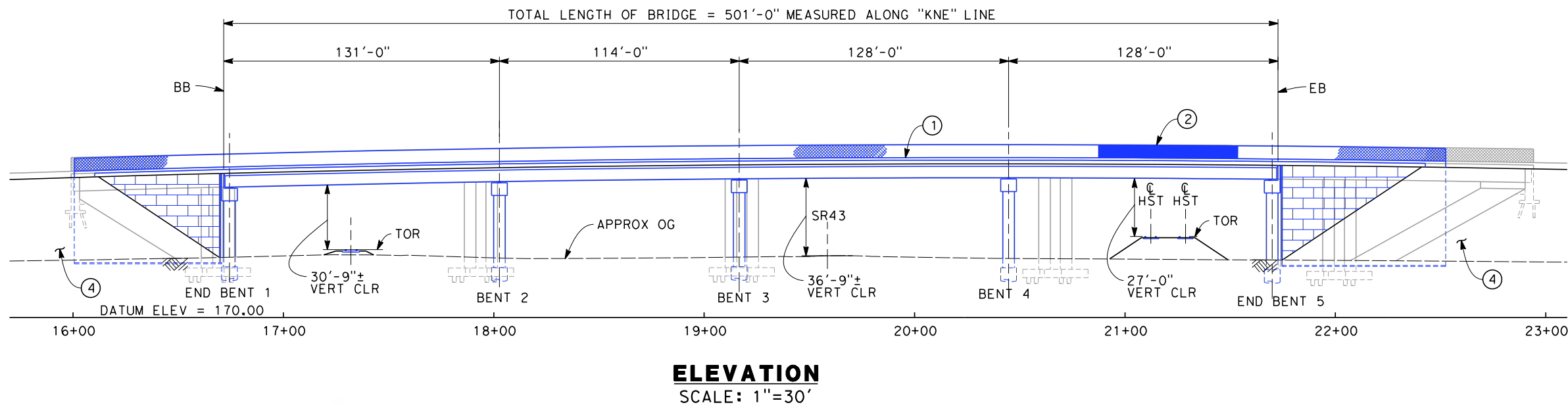
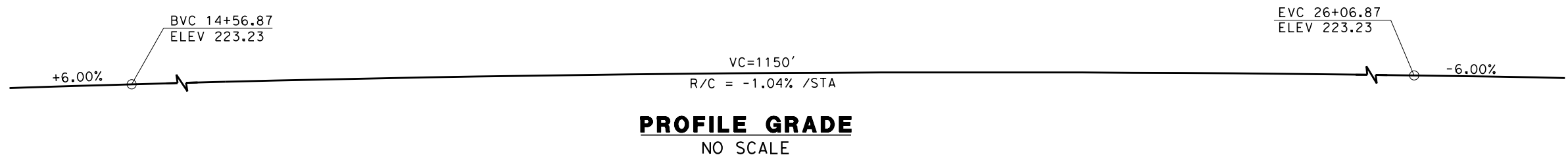


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

ATC 2 - CONSTRUCTION OF FUTURE
WIDENING OF SR 43 OVER HST
STA. 2535+00

CONTRACT NO.
DRAWING NO.
SCALE
SHEET NO.



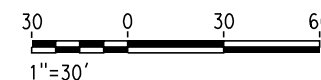
NOTES:

1. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

LEGEND:

- ① CONCRETE BARRIER WITH AR FENCE
② AR FENCE WITH SOLID PLATE OVER HST
③ MBGR
④ RETAINING WALL, TO BE DETERMINED

— RFP DESIGN
— DFS PROPOSED



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DESIGNED BY
C. CAYWOOD
DRAWN BY
D. HALL
CHECKED BY
D. JONES
IN CHARGE
R. TREVETT
DATE
10/09/14

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

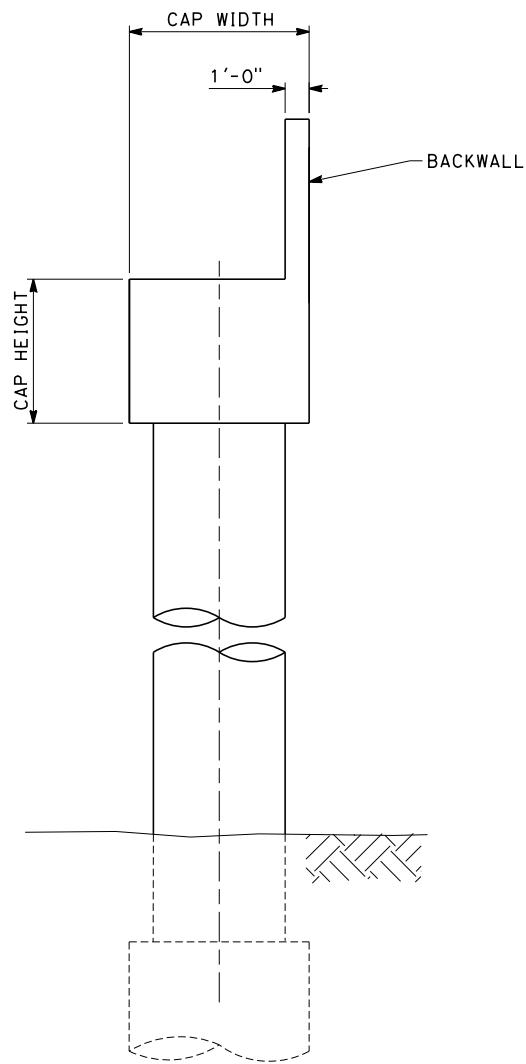


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

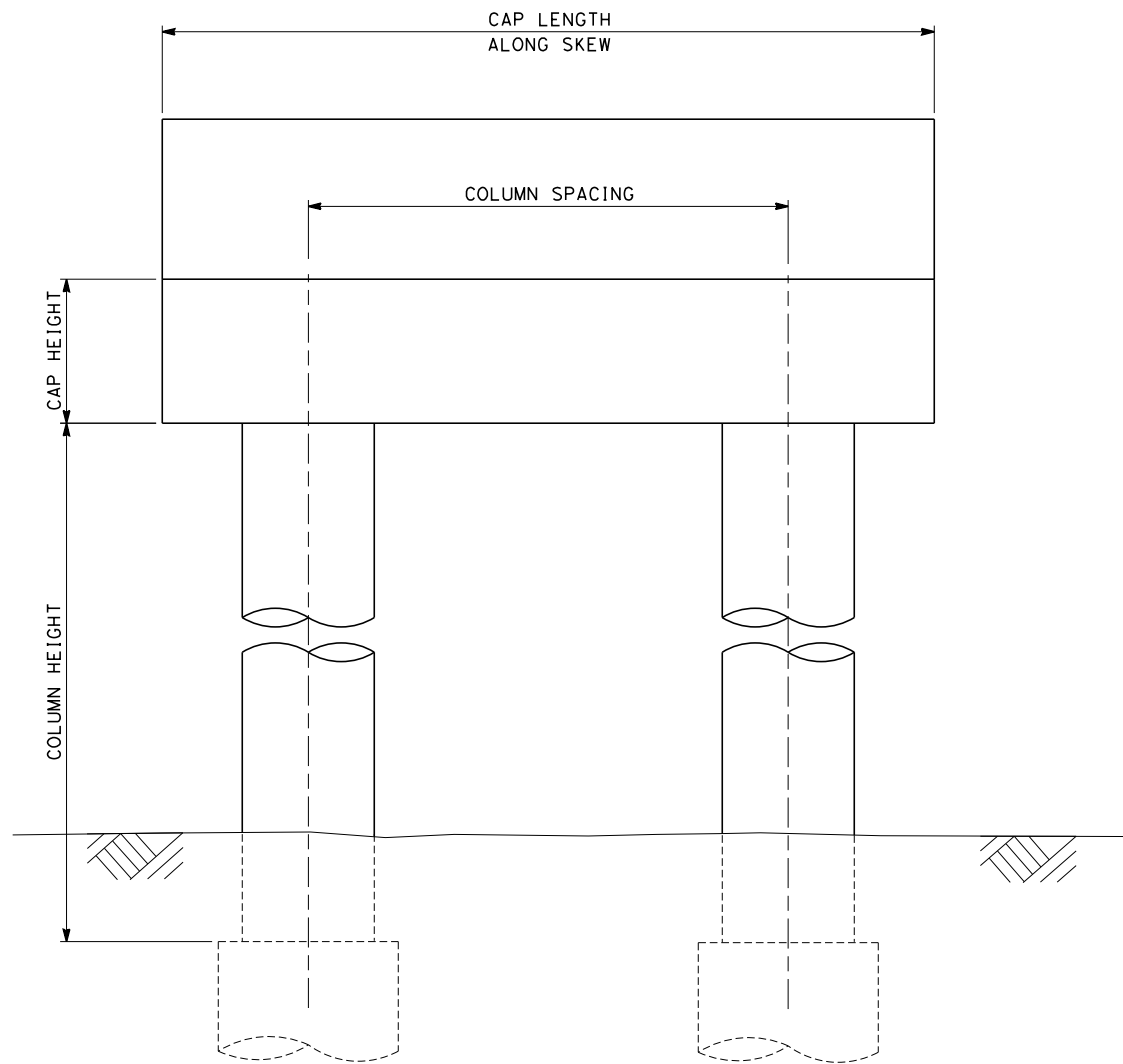
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
OVERHEAD PLANNING STUDY
NEVADA AVE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
ST2239
SCALE
AS SHOWN
SHEET NO.
2 OF 3

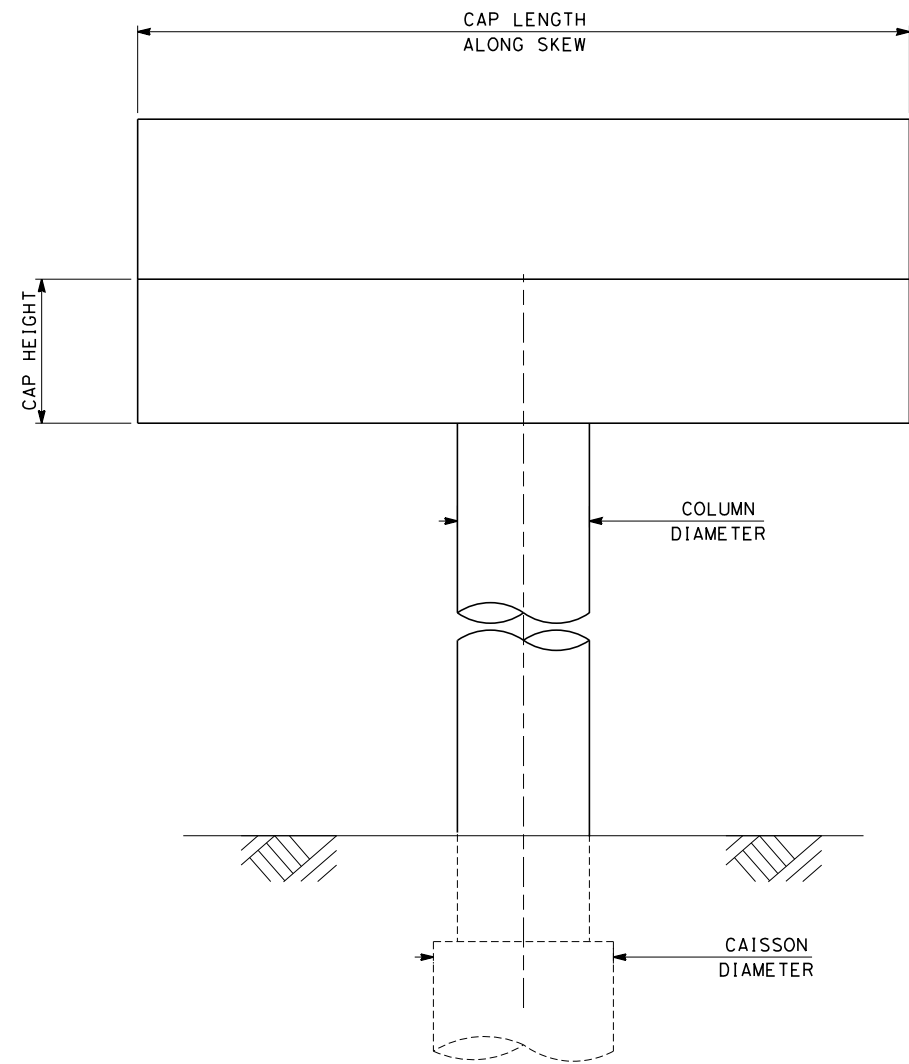
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END BENT - END ELEVATION
NEVADA & CORCORAN AVENUES



END BENT ELEVATION
CORCORAN AVENUE



END BENT ELEVATION
NEVADA AVENUE

	NUMBER OF COLUMNS	COLUMN SPACING (ft.)	COLUMN DIAMETER (ft.)	CAISSON DIAMETER (ft.)	COLUMN HEIGHT (ft.)	CAP LENGTH (ft.)	CAP WIDTH (ft.)	CAP HEIGHT (ft.)
NEVADA AVENUE	1	--	5.5	7.5	34.0	41'-6"	7.5	6.0
CORCORAN AVENUE	2	24	5.0	7.0	35.8	43'-9"	7.0	6.0

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DESIGNED BY
C. CAYWOOD
DRAWN BY
D. HALL
CHECKED BY
D. JONES
IN CHARGE
R. TREVETT
DATE
10/09/14

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

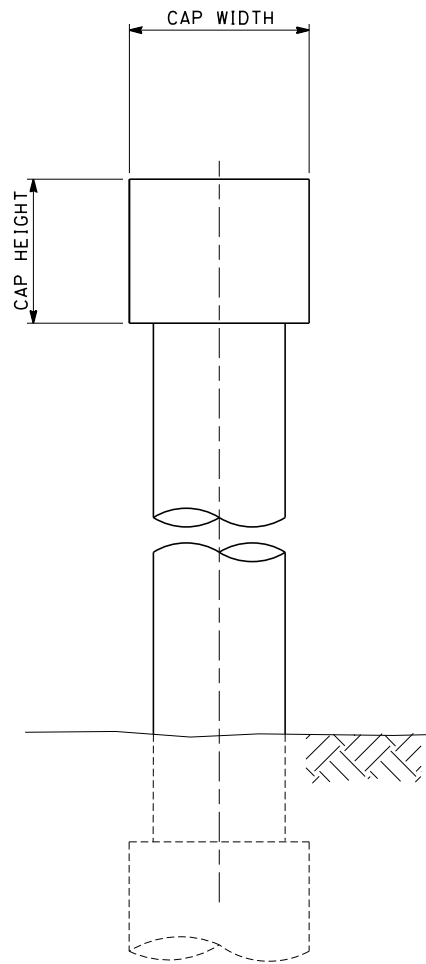


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
ROADWAY BRIDGES
END BENT DETAILS

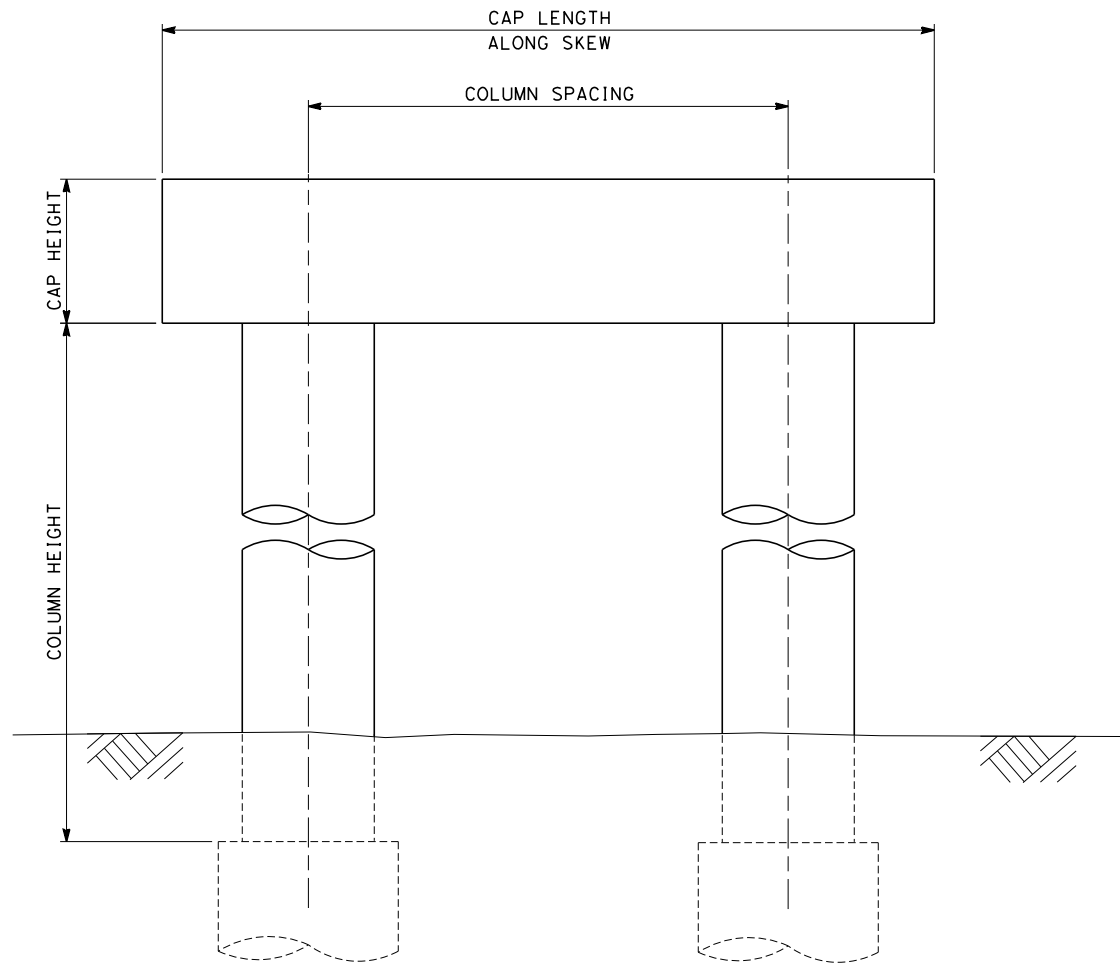
CONTRACT NO.
HSR 06-0003
DRAWING NO.
SV22XX-C2
SCALE
AS SHOWN
SHEET NO.
X OF XX

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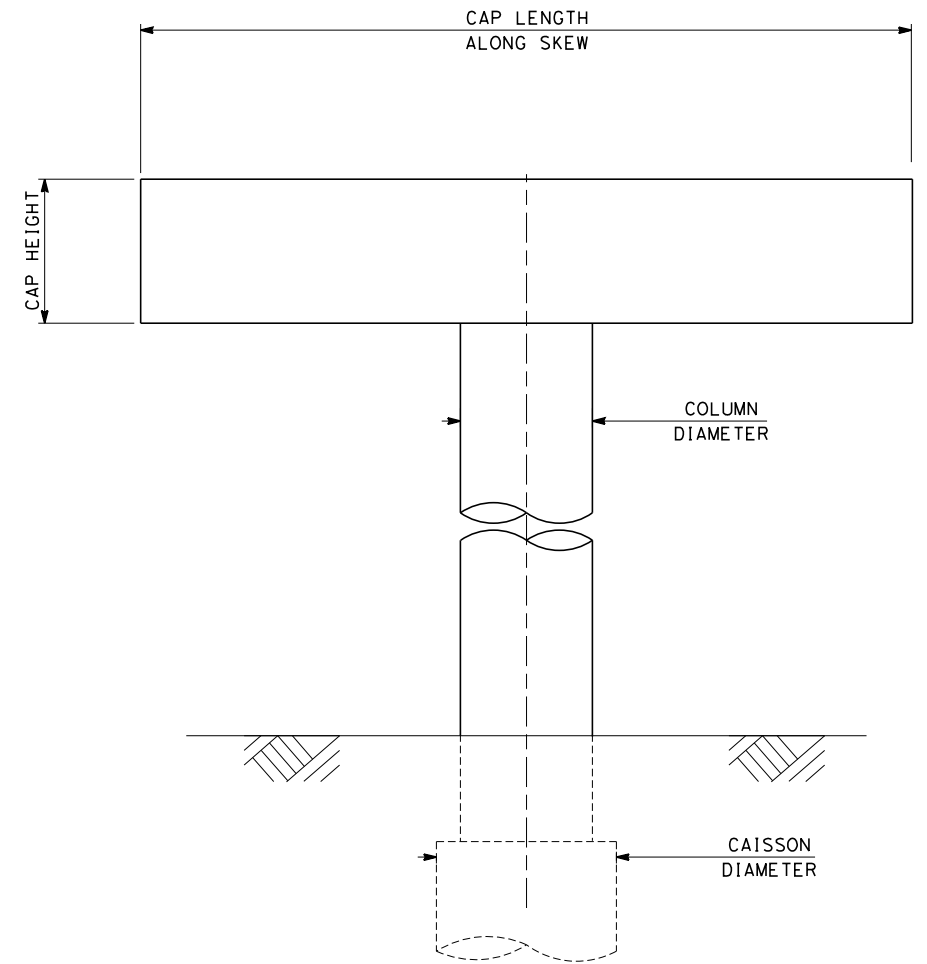
BENT END ELEVATION

NEVADA & CORCORAN AVENUES



BENT ELEVATION

CORCORAN AVENUE



BENT ELEVATION

NEVADA AVENUE

	NUMBER OF COLUMNS	COLUMN SPACING (ft.)	COLUMN DIAMETER (ft.)	CAISSON DIAMETER (ft.)	COLUMN HEIGHT (ft.)	CAP LENGTH (ft.)	CAP WIDTH (ft.)	CAP HEIGHT (ft.)
NEVADA AVENUE	1	--	5.5	7.5	34.0	41'-6"	7.5	6.0
CORCORAN AVENUE	2	24	5.0	7.0	35.8	43'-9"	7.0	6.0

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DESIGNED BY	C. CAYWOOD
DRAWN BY	D. HALL
CHECKED BY	D. JONES
IN CHARGE	R. TREVETT
DATE	10/09/14

**RECORD SET 15%
DESIGN SUBMISSION**

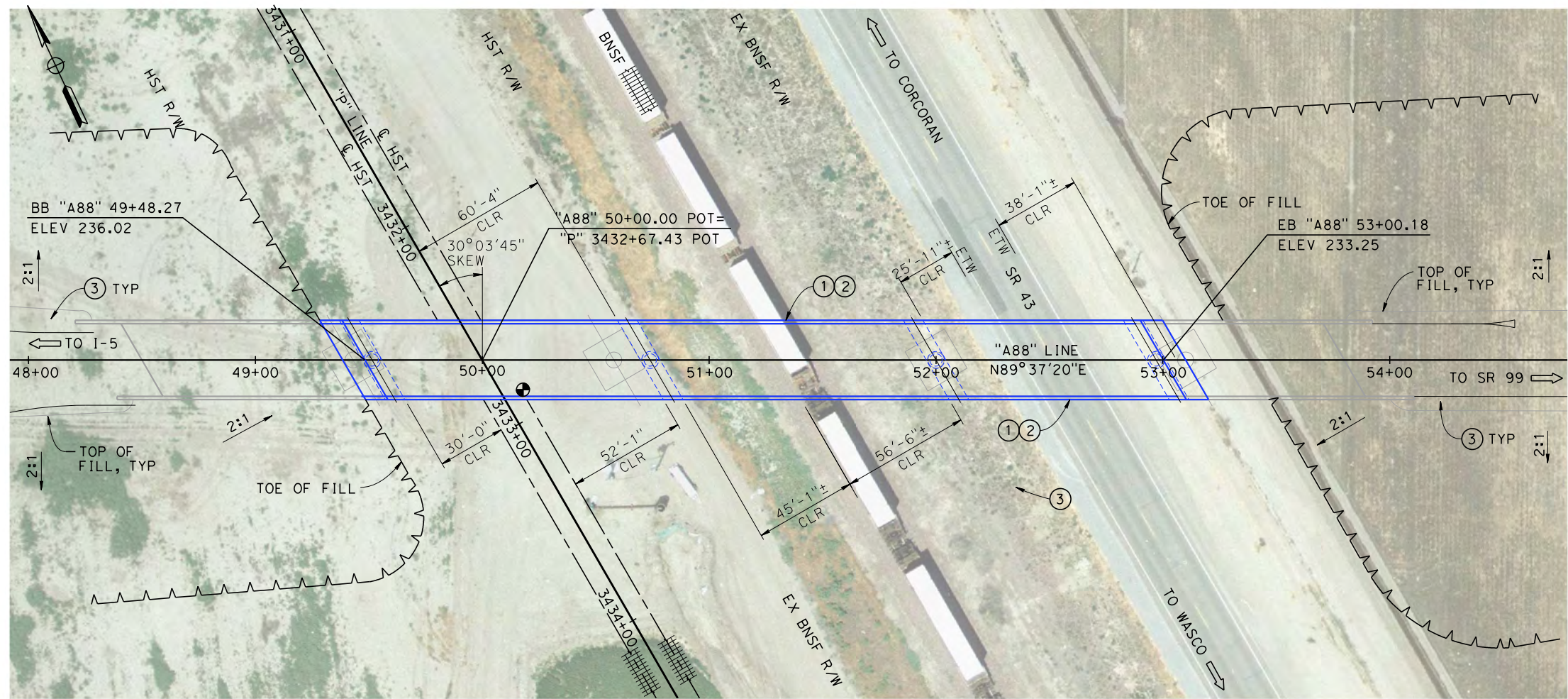
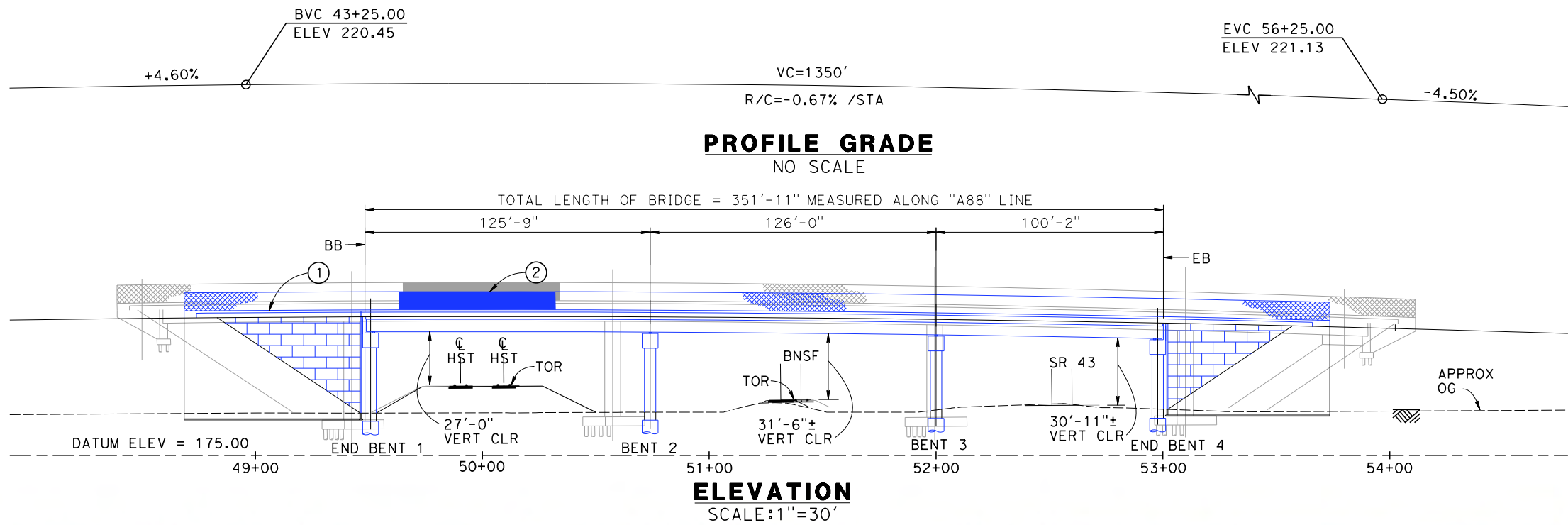
**NOT FOR
CONSTRUCTION**



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN BYPASS SUBSECTION
ALIGNMENT C2
ROADWAY BRIDGES
BENT DETAILS

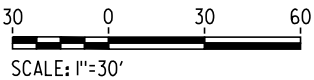
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DRAWING NO.	SV22XX-C2
SCALE	AS SHOWN
SHEET NO.	X OF XX



NOTES:

1. FOR MINIMUM VERTICAL CLEARANCE, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

- LEGEND:
- ① CONCRETE BARRIER WITH AR FENCE
- ② AR FENCE WITH SOLID PLATE OVER HST
- ③ MBGR
- RFP DESIGN
- DFS PROPOSED



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REDUCTION IN CONSTRUCTION LIMITS

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DESIGNED BY
C. CAYWOOD

DRAWN BY
D. HALL

CHECKED BY
D. JONES

IN CHARGE
R. TREVETT

DATE
10/09/14

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

PIXLEY SUBSECTION
ALIGNMENT P
OVERHEAD PLANNING STUDY
AVE 88

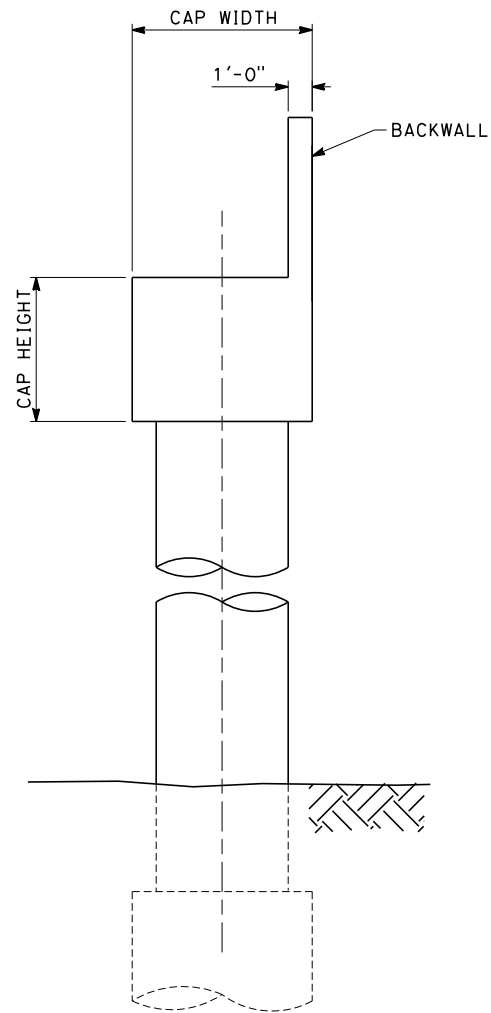
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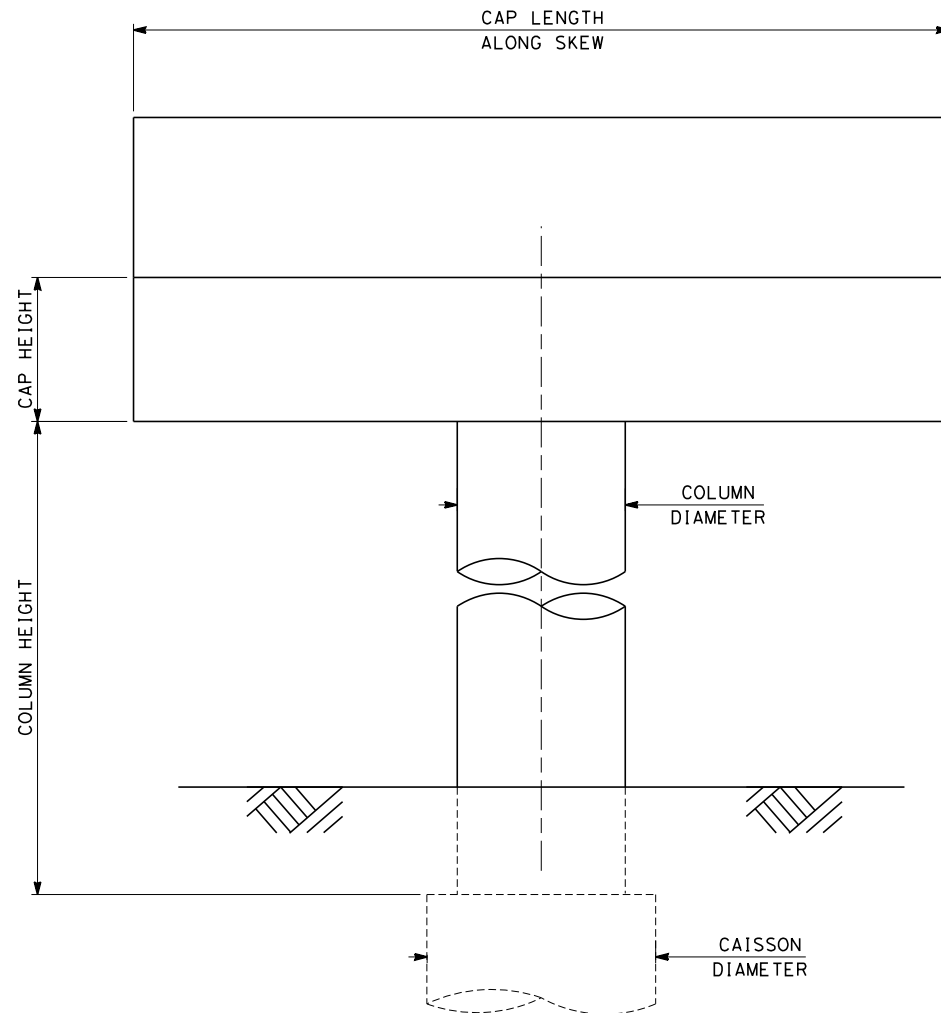
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SHEET NO.

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END BENT - END ELEVATION
HESSE AVENUE AND AVENUE 88



END BENT - ELEVATION
HESSE AVENUE AND AVENUE 88

	NUMBER OF COLUMNS	COLUMN SPACING (ft.)	COLUMN DIAMETER (ft.)	CAISSON DIAMETER (ft.)	COLUMN HEIGHT (ft.)	CAP LENGTH (ft.)	CAP WIDTH (ft.)	CAP HEIGHT (ft.)
HESSE AVENUE	1	--	5.5	7.5	34.0	35'-0"	7.5	6.5
AVENUE 88	1	--	5.5	7.5	33.5	41'-3"	7.5	6.0

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DESIGNED BY	C. CAYWOOD
DRAWN BY	D. HALL
CHECKED BY	D. JONES
IN CHARGE	R. TREVETT
DATE	10/09/14

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

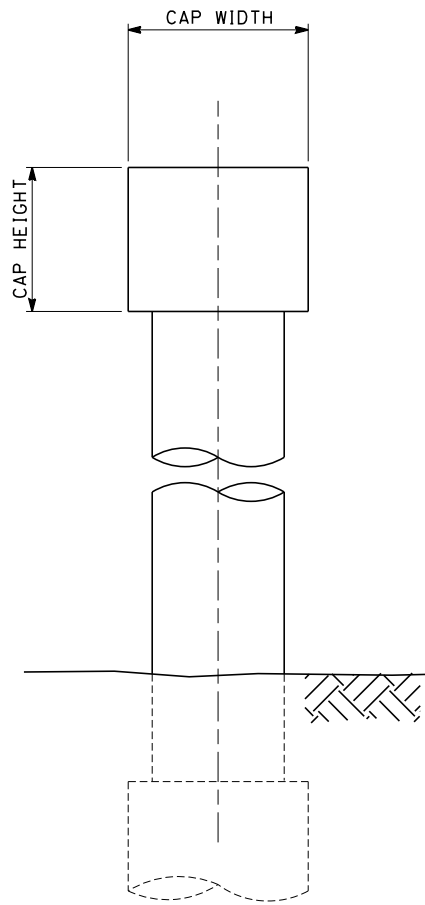


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
PIXLEY SUBSECTION
ALIGNMENT P
ROADWAY BRIDGES
END BENT DETAILS

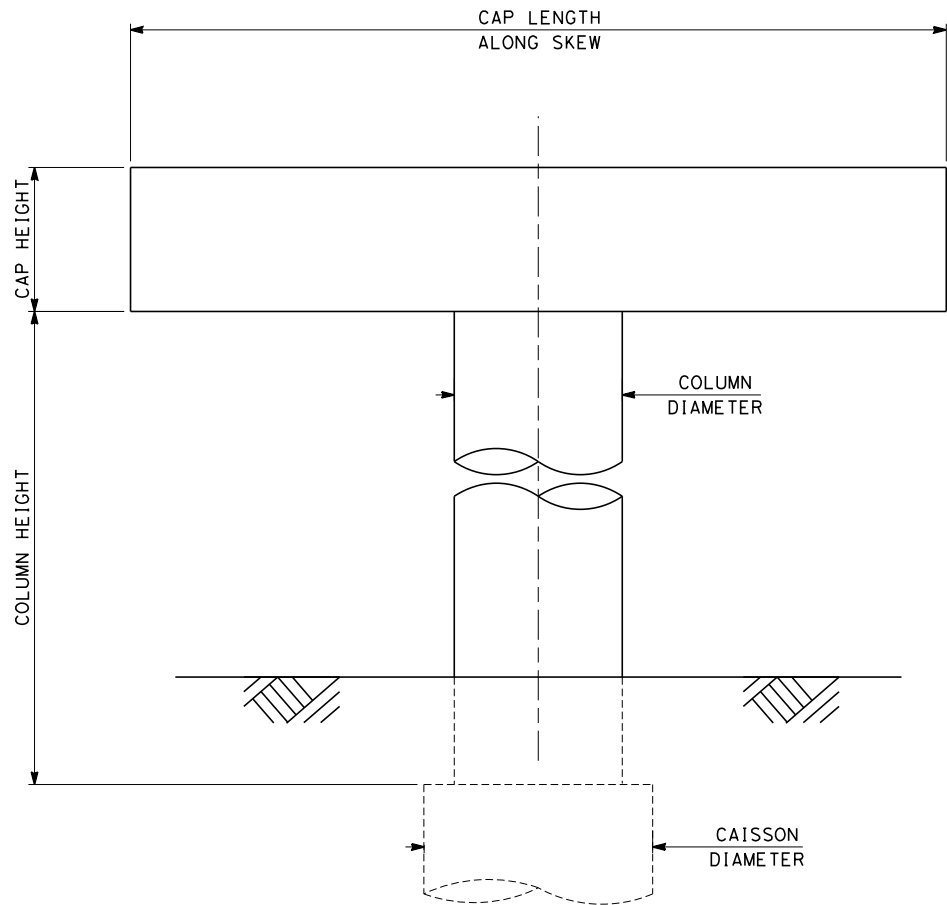
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SCALE	AS SHOWN
SHEET NO.	X OF XX

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dreeszeg



BENT END ELEVATION

HESSE AVENUE AND AVENUE 88



BENT ELEVATION

HESSE AVENUE AND AVENUE 88

	NUMBER OF COLUMNS	COLUMN SPACING (ft.)	COLUMN DIAMETER (ft.)	CAISSON DIAMETER (ft.)	COLUMN HEIGHT (ft.)	CAP LENGTH (ft.)	CAP WIDTH (ft.)	CAP HEIGHT (ft.)
HESSE AVENUE	1	--	5.5	7.5	34.0	35'-0"	7.5	6.5
AVENUE 88	1	--	5.5	7.5	33.5	41'-3"	7.5	6.0

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DESIGNED BY C. CAYWOOD
DRAWN BY D. HALL
CHECKED BY D. JONES
IN CHARGE R. TREVETT
DATE 10/09/14

**RECORD SET 15%
DESIGN SUBMISSION**

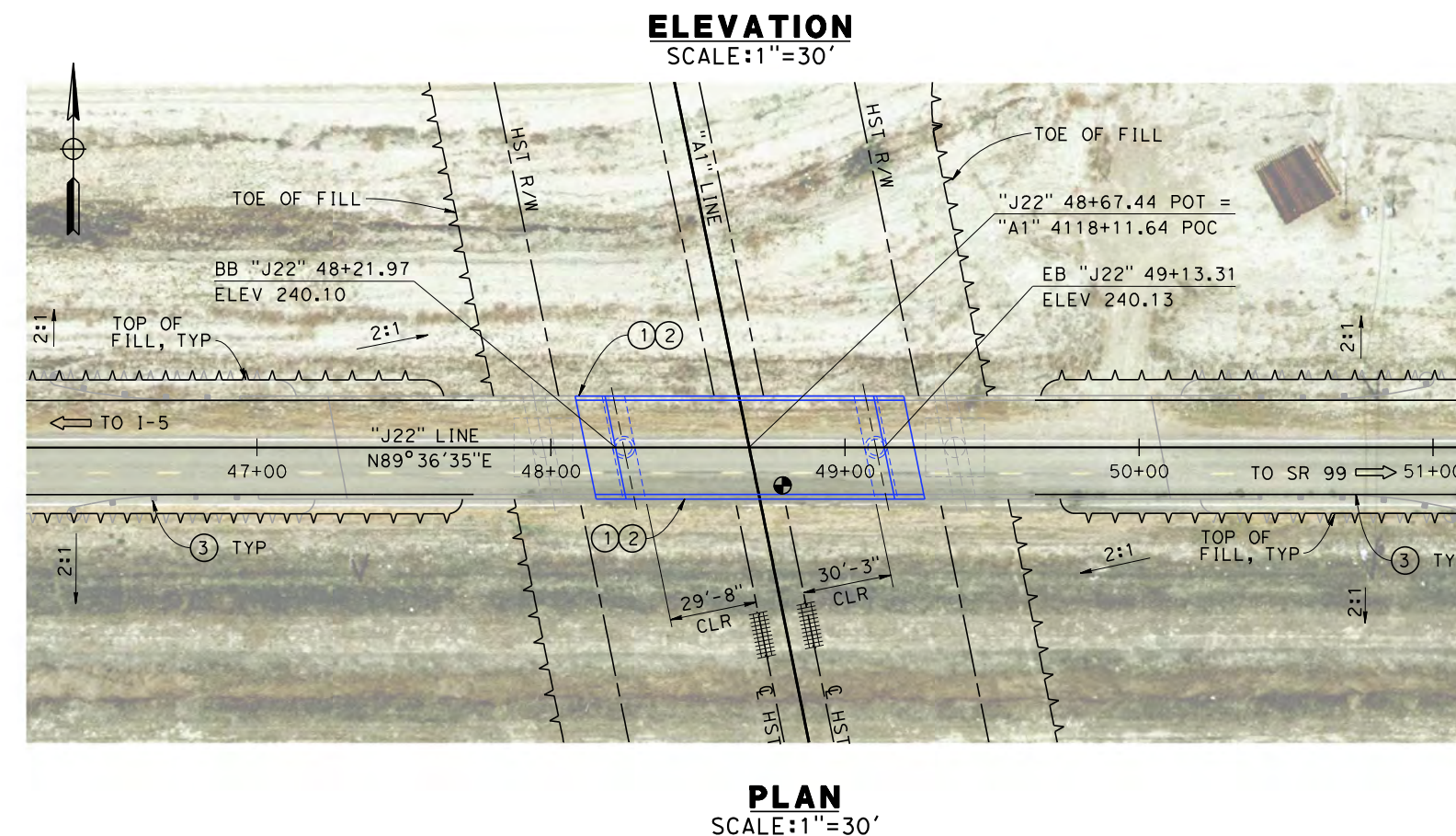
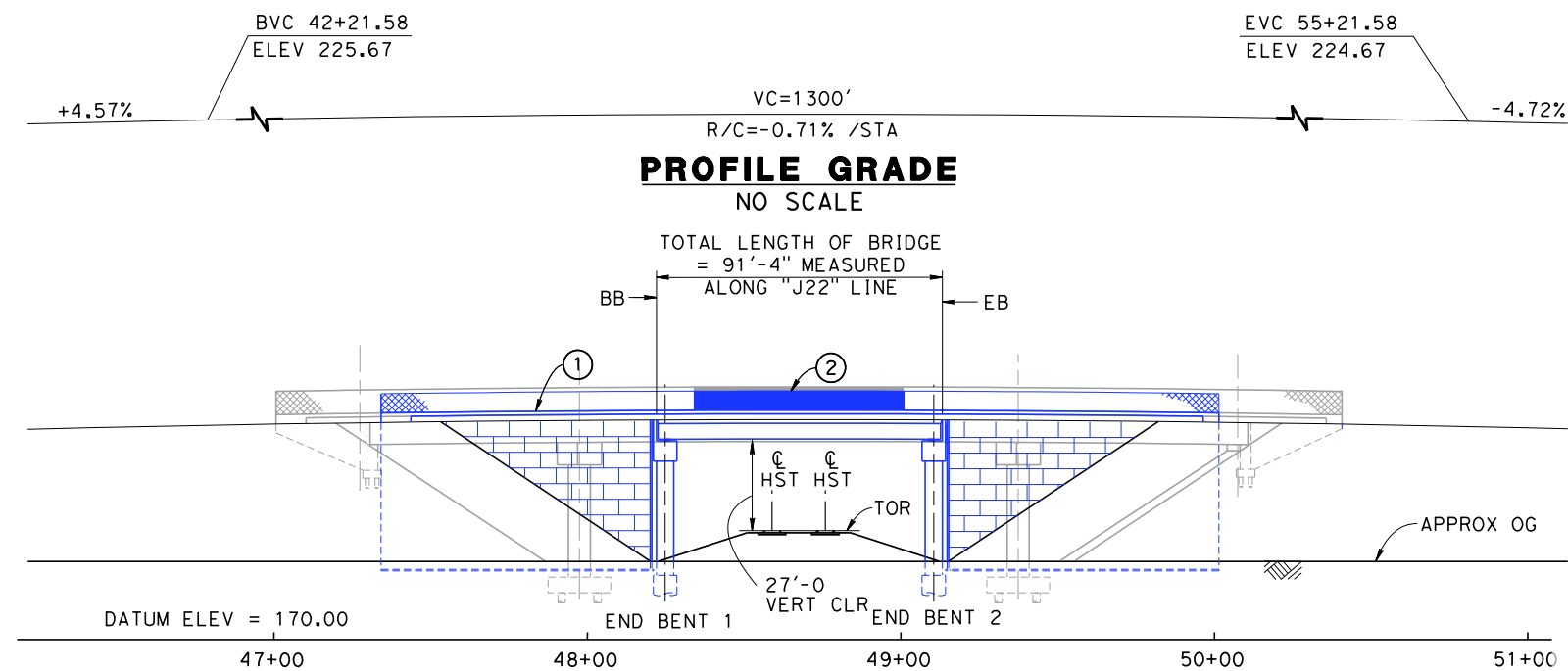
**NOT FOR
CONSTRUCTION**



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
PIXLEY SUBSECTION
ALIGNMENT P
ROADWAY BRIDGES
BENT DETAILS

CONTRACT NO. HSR 06-0003
DRAWING NO. SV24XX
SCALE AS SHOWN
SHEET NO. X OF XX



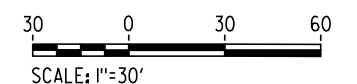
NOTES:

1. FOR MINIMUM VERTICAL CLEARANCES, HORIZONTAL CURVE DATA, AND DETAILS NOT SHOWN, SEE ROADWAY PLANS.

LEGEND:

- ① CONCRETE BARRIER WITH AR FENCE
- ② AR FENCE WITH SOLID PLATE OVER HST
- ③ MBGR

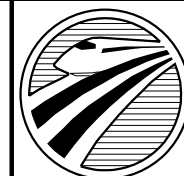
— RFP DESIGN
— DFS PROPOSED



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N	DESIGNED BY C. CAYWOOD
	DRAWN BY D. HALL
T	CHECKED BY D. JONES
	IN CHARGE R. TREVETT
	DATE 10/09/14

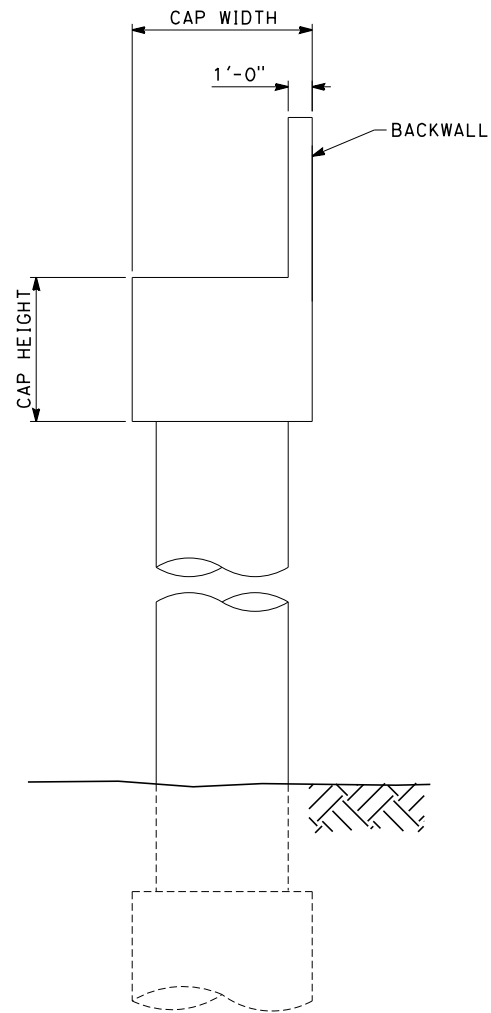
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DESIGN SUBMISSION
-
NOT FOR
CONSTRUCTION**



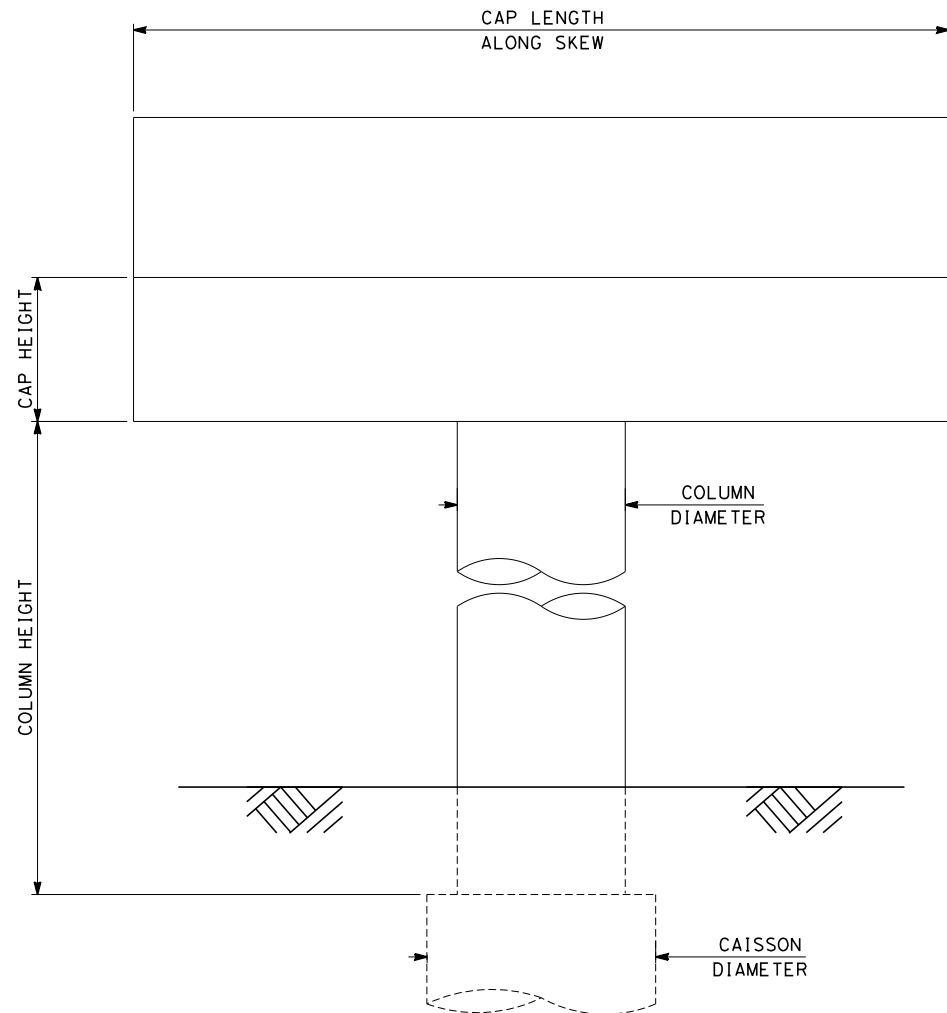
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
OVERHEAD PLANNING STUDY
COUNTY RD J22

CONTRACT NO. HSR 06-0003
DRAWING NO. ST2501
SCALE
SHEET NO. 2 OF 5

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END BENT - END ELEVATION
COUNTY ROAD J22



END BENT - ELEVATION

	NUMBER OF COLUMNS	COLUMN SPACING (ft.)	COLUMN DIAMETER (ft.)	CAISSON DIAMETER (ft.)	COLUMN HEIGHT (ft.)	CAP LENGTH (ft.)	CAP WIDTH (ft.)	CAP HEIGHT (ft.)
COUNTY ROAD J22	1	--	5.5	7.5	35.3	35'-9"	7.5	6.5

DISCLAIMER:
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DESIGNED BY
C. CAYWOOD
DRAWN BY
D. HALL
CHECKED BY
D. JONES
IN CHARGE
R. TREVETT
DATE
10/09/14

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

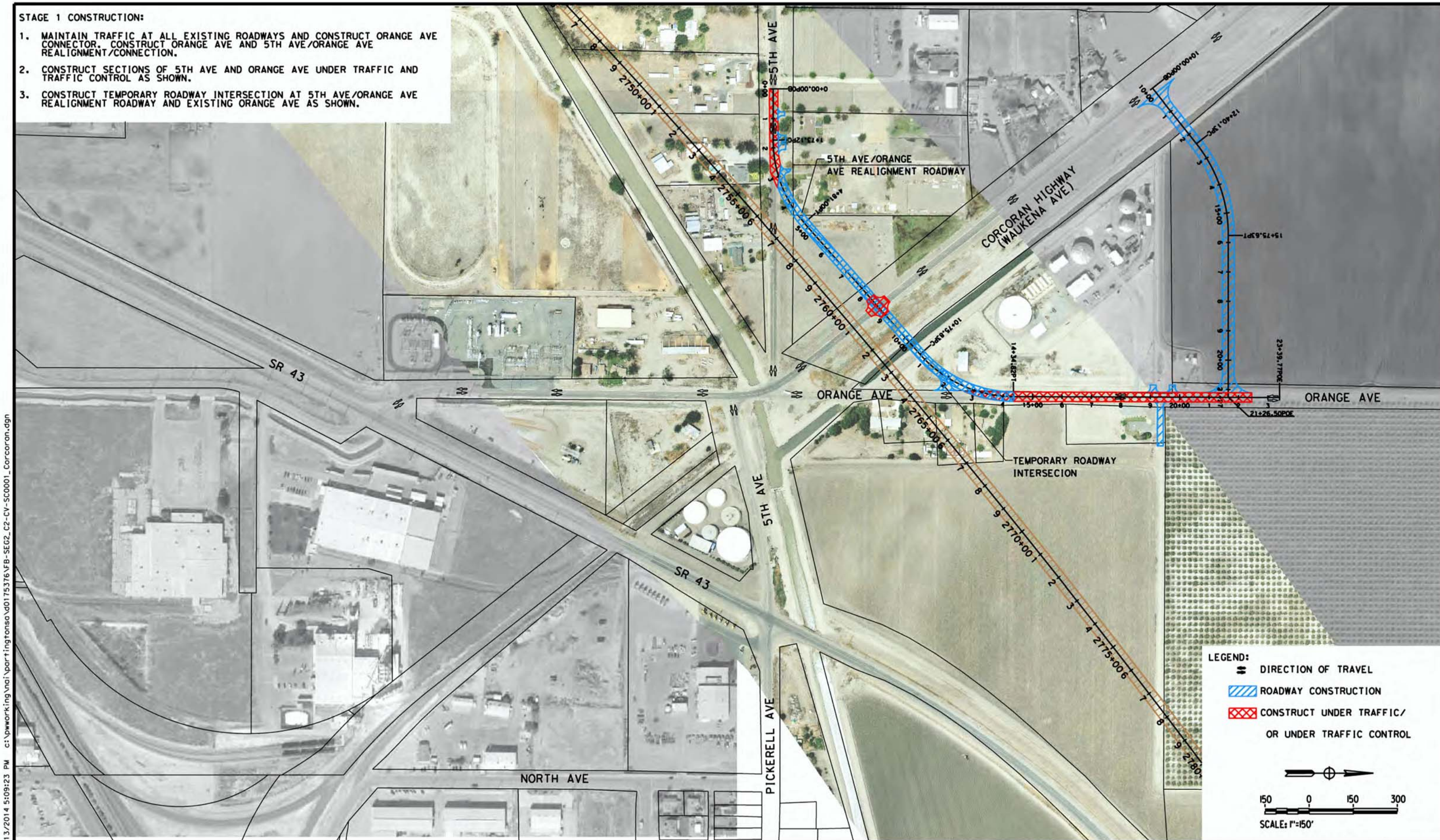


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
ALLENSWORTH BYPASS SUBSECTION
ALIGNMENT A1
ROADWAY BRIDGES
END BENT DETAILS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
SV24XX
SCALE
AS SHOWN
SHEET NO.
X OF XX

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DISCLAIMER:
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DESIGNED BY B. Kidd	RECORD SET 15% DESIGN SUBMISSION
DRAWN BY S. Partington	
CHECKED BY E. Karam	
IN CHARGE R. Trevett	
DATE	NOT FOR CONSTRUCTION

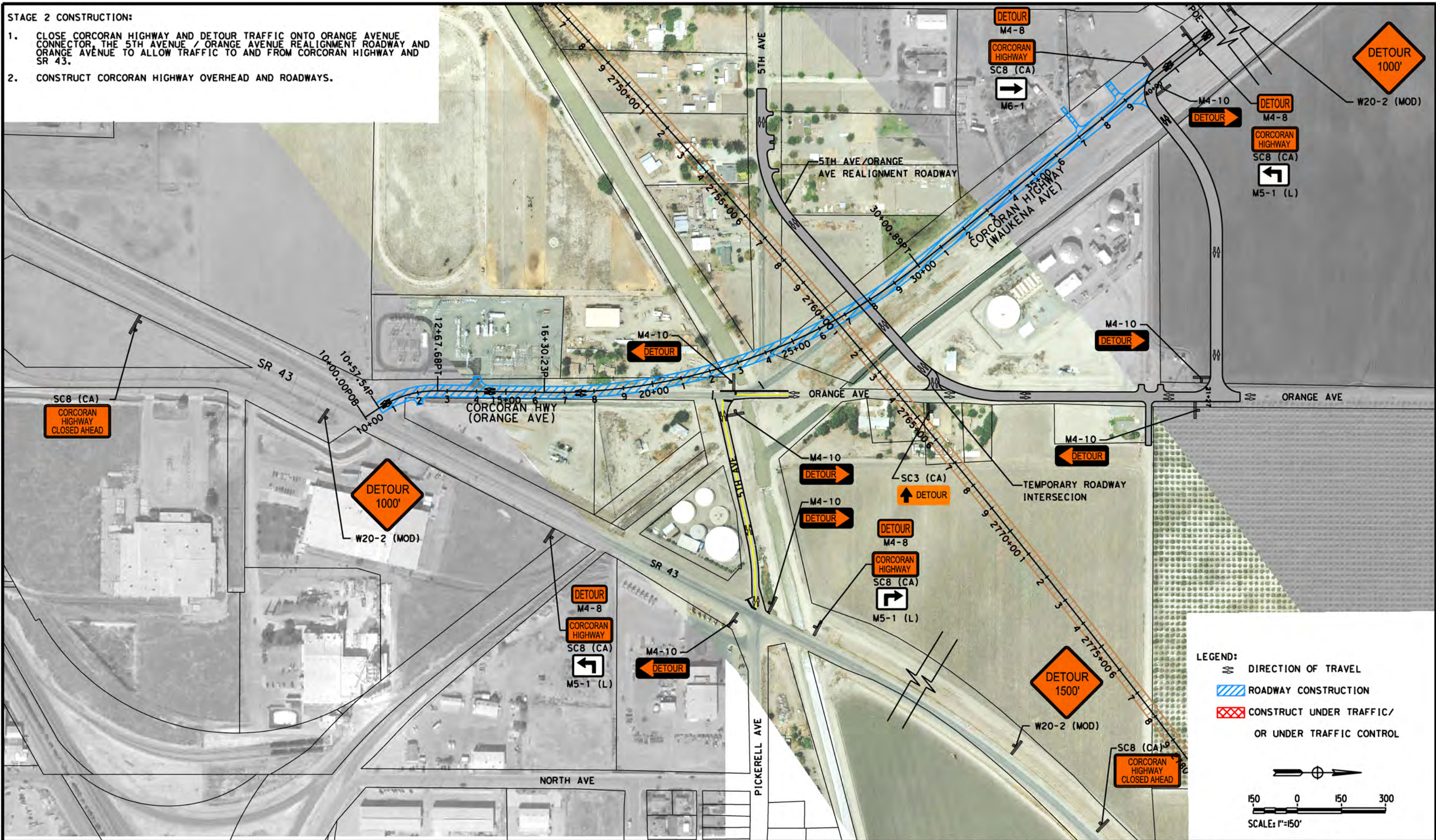


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
CORCORAN SUBSECTION
ALIGNMENT C2
STAGE 1 CONSTRUCTION
CORCORAN HIGHWAY

CONTRACT NO. HST 06-0003
DRAWING NO. SC0001
SCALE AS SHOWN
SHEET NO. X OF X

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- STAGE 2 CONSTRUCTION:
1. CLOSE CORCORAN HIGHWAY AND DETOUR TRAFFIC ONTO ORANGE AVENUE CONNECTOR, THE 5TH AVENUE / ORANGE AVENUE REALIGNMENT ROADWAY AND ORANGE AVENUE TO ALLOW TRAFFIC TO AND FROM CORCORAN HIGHWAY AND SR 43.
 2. CONSTRUCT CORCORAN HIGHWAY OVERHEAD AND ROADWAYS.



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DESIGNED BY
B. Kidd
DRAWN BY
S. Portington
CHECKED BY
E. Karam
IN CHARGE
R. Trevett
DATE

RECORD SET 15%
DESIGN SUBMISSION

NOT FOR
CONSTRUCTION

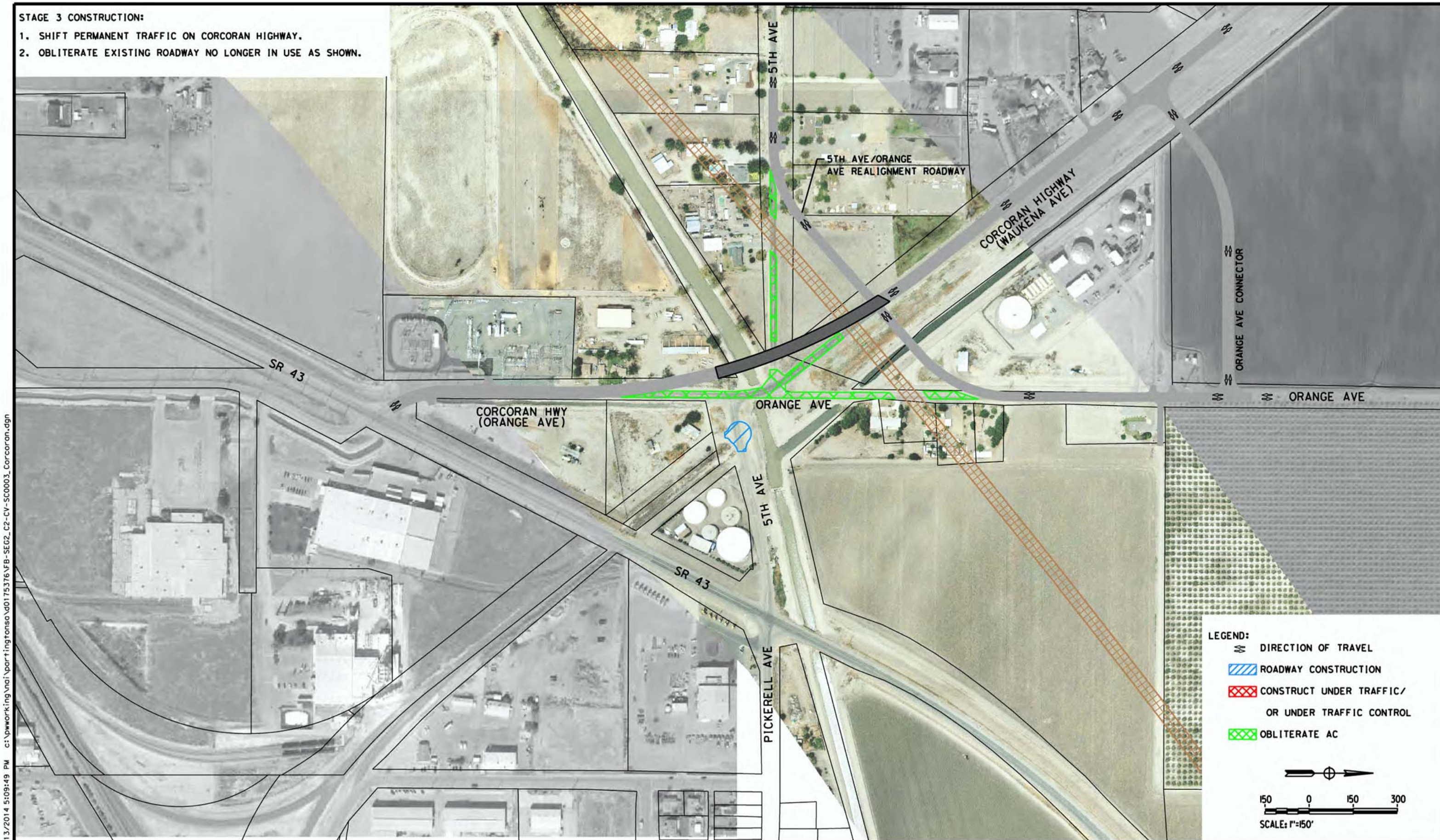


CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION
ALIGNMENT C2
STAGE 2 CONSTRUCTION
CORCORAN HIGHWAY

CONTRACT NO.
HST 06-0003
DRAWING NO.
SC0002
SCALE
AS SHOWN
SHEET NO.
X OF X

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- STAGE 3 CONSTRUCTION:
1. SHIFT PERMANENT TRAFFIC ON CORCORAN HIGHWAY.
 2. OBLITERATE EXISTING ROADWAY NO LONGER IN USE AS SHOWN.



DISCLAIMER:
THE PURPOSE OF THESE DRAWINGS IS TO DEMONSTRATE HSR AND ROADWAY DESIGN ENHANCEMENTS. DRAINAGE, UTILITIES, AND IRRIGATION CANALS ARE NOT SHOWN. THE HSR PROFILE IS BASED ON DRAINAGE AND WILDLIFE CROSSINGS IN THE RFP DESIGN AND THE DFS PROPOSED ATC DESIGNS AS SUBMITTED AND ACCEPTED BY THE AUTHORITY. THIS DOCUMENT AND ASSOCIATED ENGINEERING DETAILS REFLECT PRELIMINARY SCHEMATIC-LEVEL DESIGN ONLY. THIS DOCUMENT SHALL NOT BE USED FOR CONSTRUCTION.

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S. Partington
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R. Trevett
DATE

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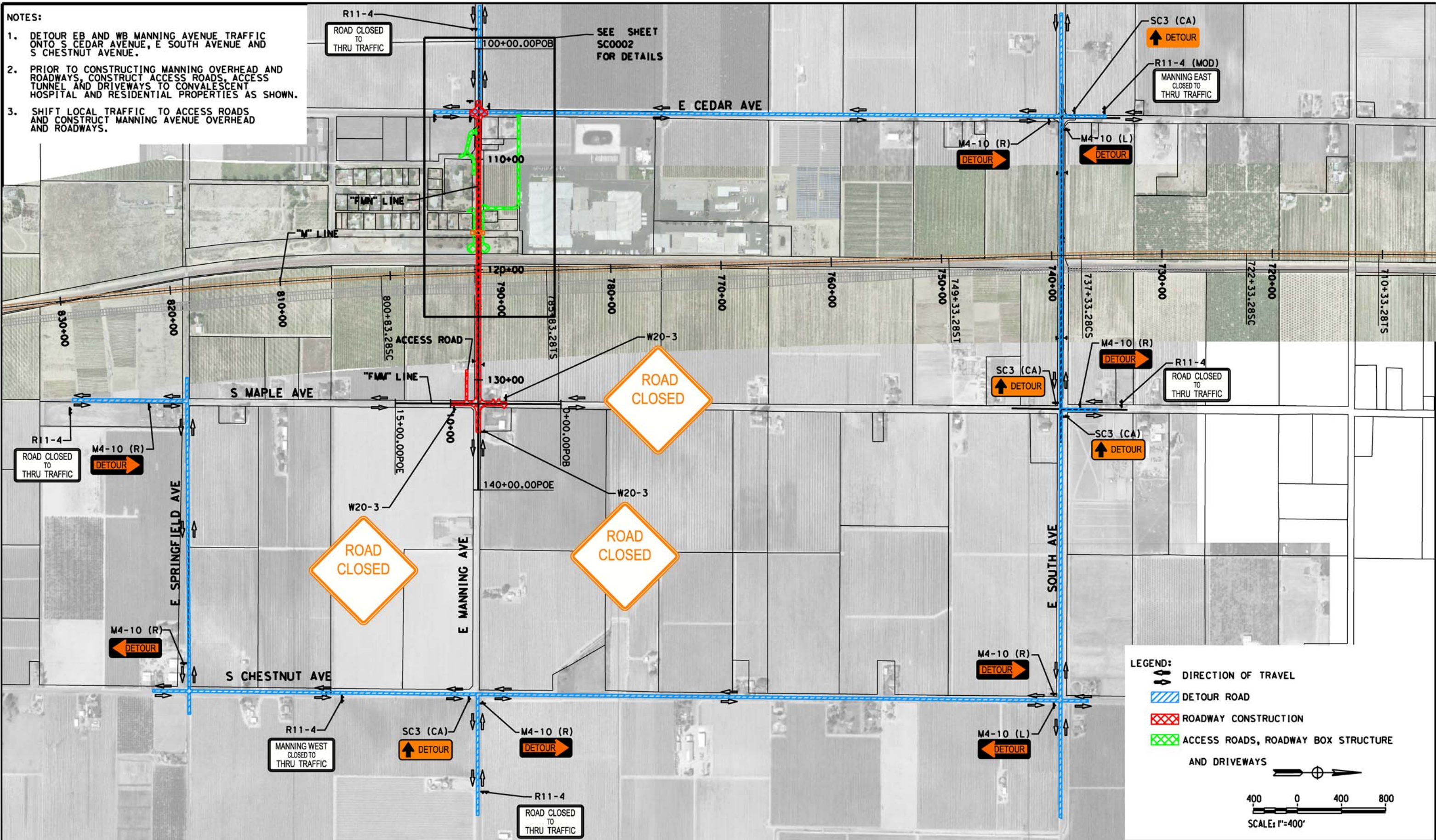
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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
CORCORAN SUBSECTION
ALIGNMENT C2
STAGE 3 CONSTRUCTION
CORCORAN HIGHWAY

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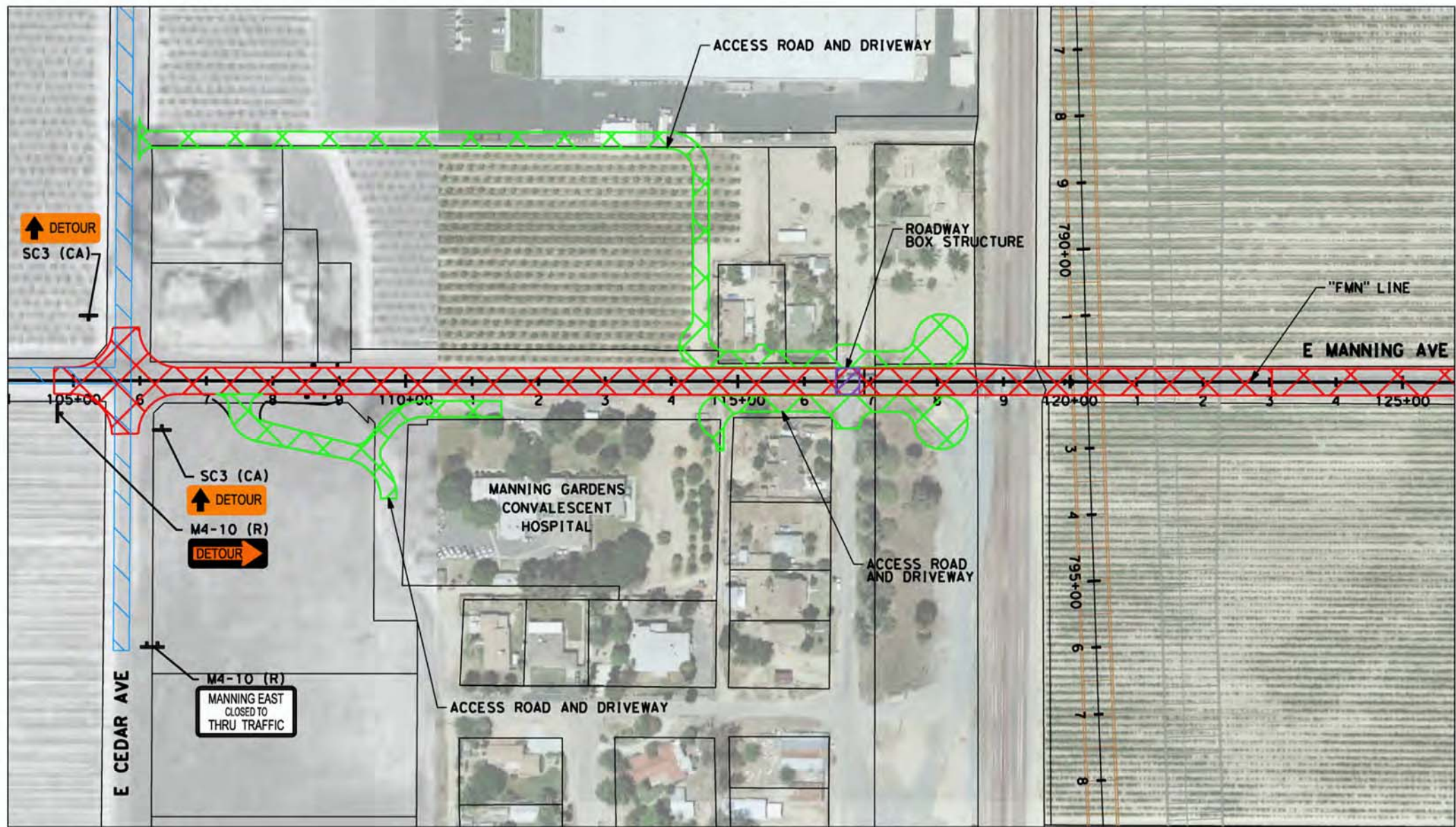
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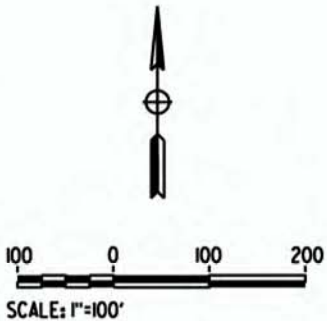
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	DRAWN BY S. Partington					DRAWING NO. SC0001
	CHECKED BY E. Karam					SCALE AS SHOWN
	IN CHARGE R. Trevett					SHEET NO. X OF X
	DATE	NOT FOR CONSTRUCTION				

NOTES:

1. DETOUR EB AND WB MANNING AVENUE TRAFFIC ONTO S CEDAR AVENUE, E SOUTH AVENUE AND S CHESTNUT AVENUE.
2. PRIOR TO CONSTRUCTING MANNING OVERHEAD AND ROADWAYS, CONSTRUCT ACCESS ROADS, ACCESS TUNNEL AND DRIVEWAYS TO CONVALESCENT HOSPITAL AND RESIDENTIAL PROPERTIES AS SHOWN.
3. SHIFT LOCAL TRAFFIC TO ACCESS ROADS AND CONSTRUCT MANNING AVENUE OVERHEAD AND ROADWAYS.



- LEGEND:
- DIRECTION OF TRAVEL
 - DETOUR ROAD
 - ROADWAY CONSTRUCTION
 - ACCESS ROADS AND DRIVEWAYS
 - ROADWAY BOX STRUCTURE



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S. Partington
CHECKED BY
E. Karam
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R. Trevett
DATE

RECORD SET 15%
DESIGN SUBMISSION

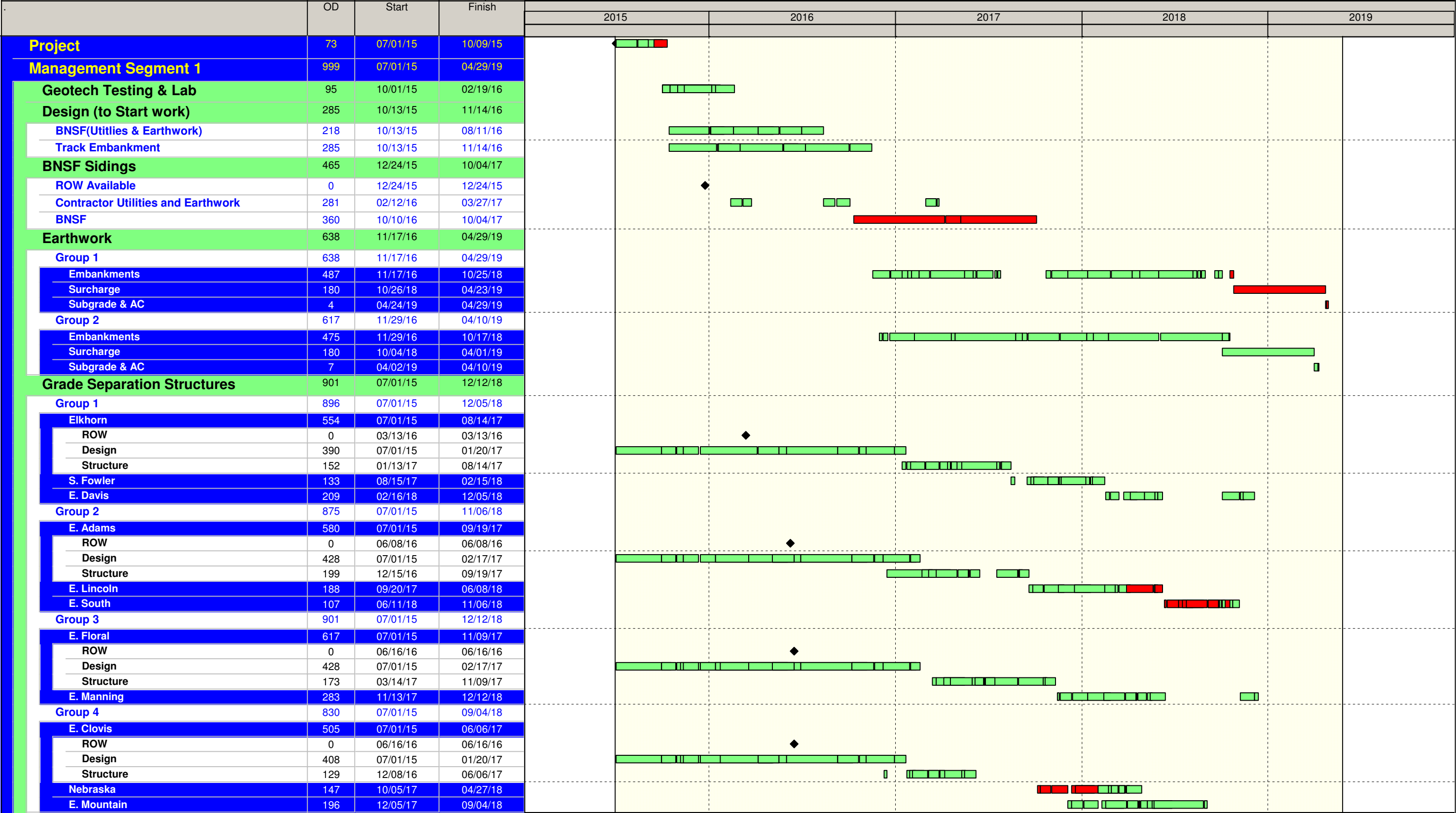
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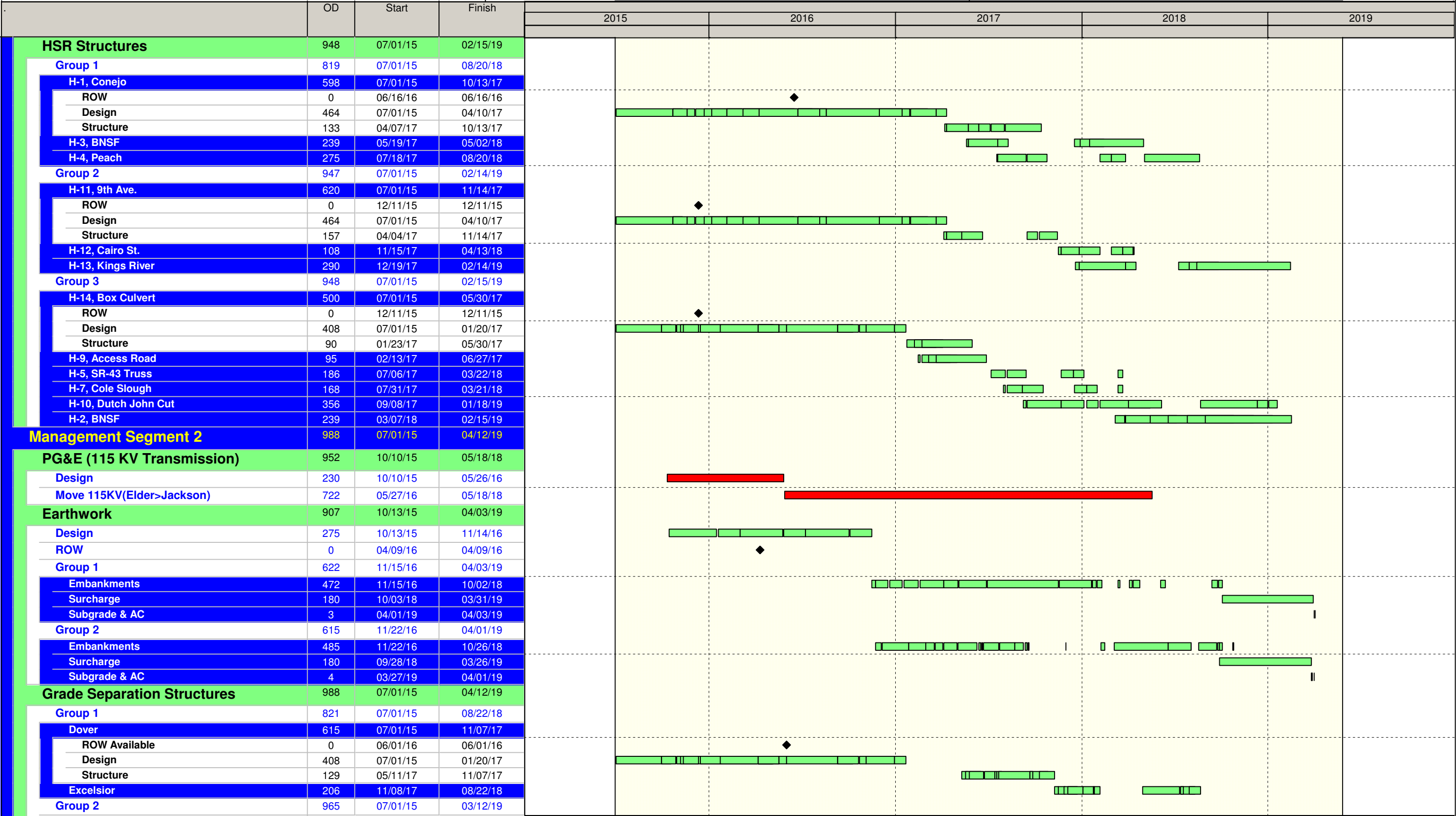
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
MONMOUTH SUBSECTION
ALIGNMENT M
STAGE CONSTRUCTION
E MANNING AVENUE

CONTRACT NO.
HST 06-0003
DRAWING NO.
SC0002
SCALE
AS SHOWN
SHEET NO.
X OF X

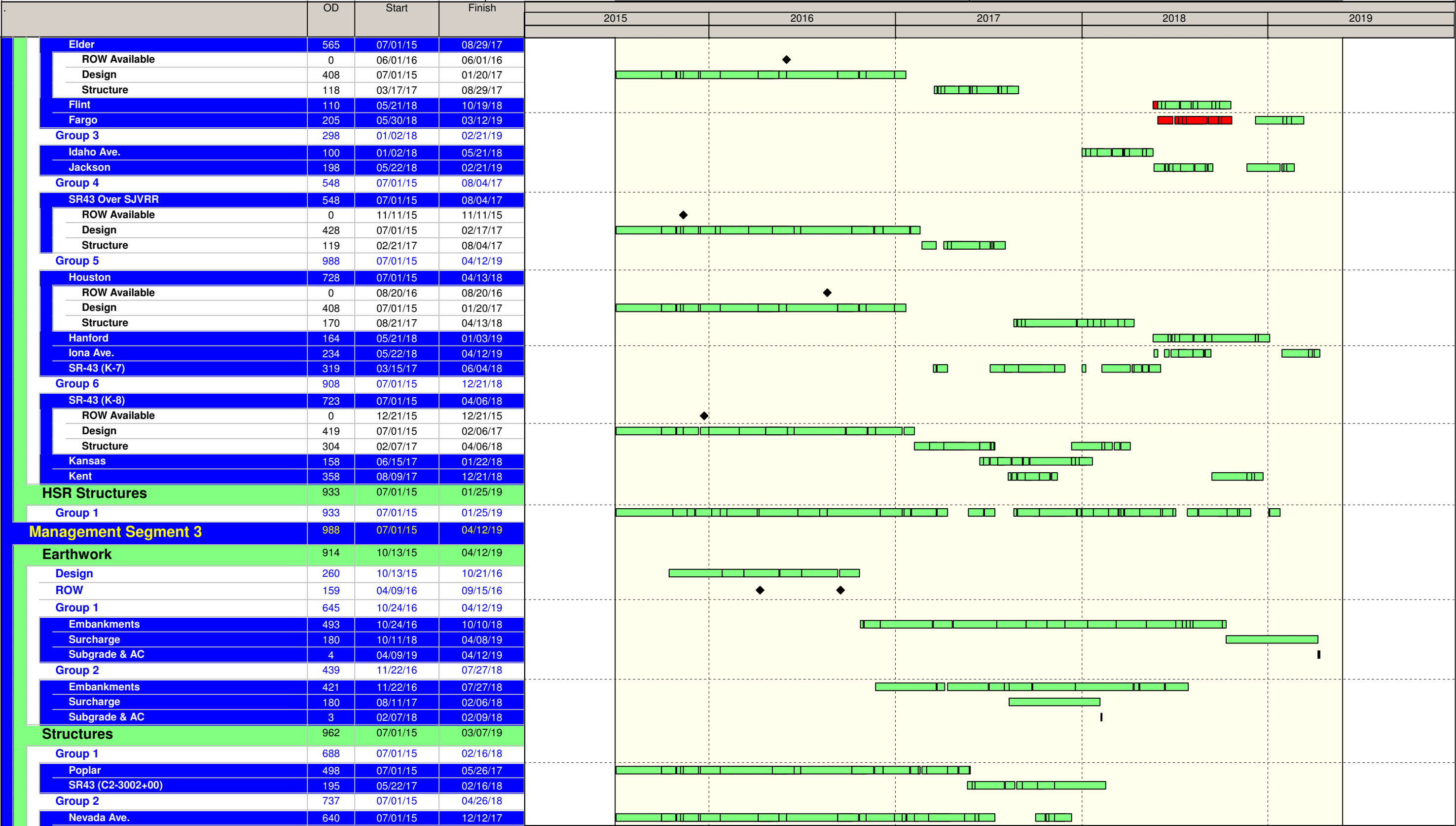
Level 2 Schedule



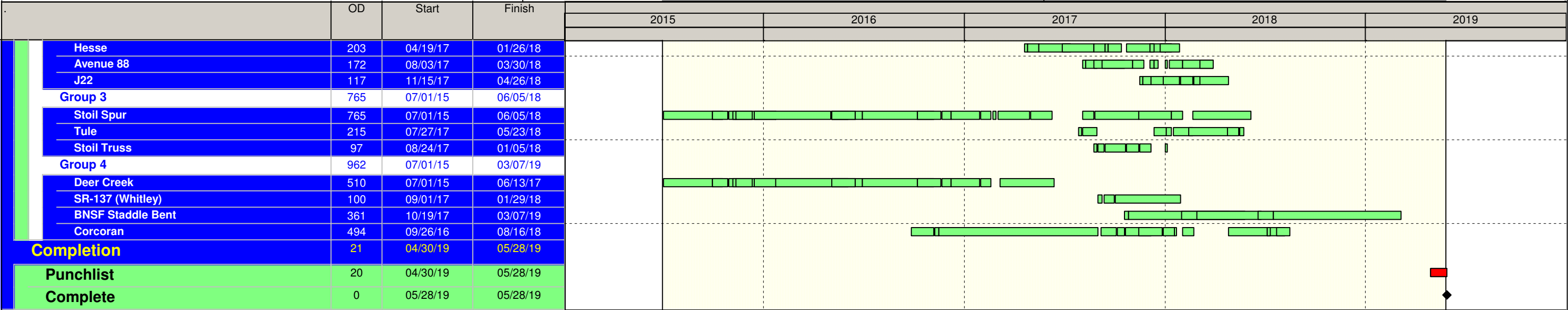
Level 2 Schedule



Level 2 Schedule



Level 2 Schedule



Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish	2015		2016	2017	2018	2019	
CHSR Construction Package CP2-3 PR18		1283	06/27/14	05/28/19							
Project		1283	06/27/14	05/28/19							
NTP		1428	07/01/15	05/28/19							
PWN-NTP	NTP - CP2-3	0	07/01/15*								
PWN-ROE	Authority Process Documents for Right of Entry	92	07/01/15	09/30/15							
PWN-STARTC	Start construction	0	01/30/16								
PWN-COMP	Project Complete	0		05/28/19							
Baker Commodities		522	12/31/14	12/30/16							
BAKER100	Baker Commodities/HSR Authority Negotiations Complete	0		12/31/14*							
BAKER110	Baker Commodities New Plant Permitting and Construction/Existing Plant Demo...	730	01/01/15	12/30/16							
PRE-CONSTRUCTION		128	07/01/15	12/27/15							
Within 60 days from NTP		43	07/01/15	08/29/15							
PREC60-0310	Site Specific Health & Safety Plan (4.15.1)	60	07/01/15	08/29/15							
PREC60-0320	Site Specific Security Plan (4.15.1)	60	07/01/15	08/29/15							
PREC60-0330	Contractor RAM Program Plan - Draft (5.17.1)	60	07/01/15	08/29/15							
PREC60-0340	Interface Management Plan (Draft) (3.4)	60	07/01/15	08/29/15							
PREC60-0350	Baseline Schedule	60	07/01/15	08/29/15							
PREC60-0400	Partnering Workshop	2	07/01/15	07/02/15							
PREC60-0335	QA/QC Verification and Validation Plan-Draft (2.1)	50	07/01/15	08/19/15							
PREC60-0300	Safety and Security Certification Plan (4.5)	60	07/01/15	08/29/15							
Within 90 days from NTP		64	07/01/15	09/28/15							
PREC90-0350	Sustainability Management Plan	90	07/01/15	09/28/15							
PREC90-0370	Environmental Management Plan (Draft)	90	07/01/15	09/28/15							
PREC90-0400	Geotechnical Investigation Plan - P/A and R/A	50	07/01/15	09/10/15							
PREC90-0335	QA/QC Verification and Validation Plan-Final (2.1)	25	08/20/15	09/13/15							
PREC90-0360	Interface Management Plan (Final)(3.4)	30	08/30/15	09/28/15							
PREC90-0380	Contractor RAM Program Plan - Final (5.17.1)	30	08/30/15	09/28/15							
Within 180 days from NTP		180	07/01/15	12/27/15							
PREC180-0410	Site & Utility Investigation (50/50 Risk after 180 cds from NTP)	180	07/01/15	12/27/15							
PREC180-0380	Environmental Management Plan (Final)	90	09/29/15	12/27/15							
PG & E Design for Gas & Electrical Relocations		952	10/10/15	05/18/18							
DST-1030PGE1	PG&E 115 KV Transmission Design	230	10/10/15	05/26/16							
DST-1030PGE10	PG&E Permits, Procure & Relocate 115KV Line between Elder and Jackson	722	05/27/16	05/18/18							
BNSF Work		518	10/10/15	10/04/17							
BNSF-100	BNSF, Notify for Siding/Alignment changes	0	10/10/15								
BNSF-110	BNSF, Design Siding/alignment Work	366	10/10/15	10/09/16							
BNSF Work at M-709+00 > M-872+00		171	08/12/16	04/07/17							
BNSF-200	M-709+00 > M-872+00, BNSF, Contractor move siding utilities	16	08/12/16	09/02/16							
BNSF-210	M-709+00 > M-872+00, BNSF. Contractor siding cut/fills	20	09/06/16	10/03/16							
BNSF-220	M-709+00 > M-872+00, BNSF, Siding/Alignment work	180	10/10/16	04/07/17							
BNSF Work at H-1135+00+00 > H-1157+00		48	03/01/17	05/07/17							
BNSF-420	H-1135+00+00 > H-1157+00, BNSF, Siding/Alignment work	30	04/08/17	05/07/17							
BNSF-400	H-1135+00+00 > H-1157+00, BNSF, Contractor move siding utilities	15	03/01/17*	03/21/17							
BNSF-410	H-1135+00+00 > H-1157+00,BNSF, Contractor siding cut fills	4	03/22/17	03/27/17							
BNSF Work at M-935+00 > M-1062+00		429	02/12/16	10/04/17							
BNSF-320	M-935+00 > M-1062+00, BNSF, Siding/Alignment work	150	05/08/17	10/04/17							

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish					
					2015	2016	2017	2018	2019
BNSF-300	M-935+00 > M-1062+00, BNSF, Contractor move siding utilities	15	02/12/16	03/04/16					
BNSF-310	M-935+00 > M-1062+00, BNSF, Contractor siding cut fills	14	03/07/16	03/24/16					
DESIGN		71	07/01/15	10/09/15					
Track and Roadway Design (30% Design and Geometric Approval)		71	07/01/15	10/09/15					
DSR-1010S	Design Baseline Report, P/S	30	07/01/15	08/12/15					
DSR-1010S10	Design Baseline Report, IDR/CR/ITR	15	08/13/15	09/02/15					
DSR-1010R	Design Baseline Report, Authority R/A	20	09/14/15	10/09/15					
DST-1010A	CP-2&3 Track Geometric Approval	0		10/09/15					
Right of Way Availability		0	06/27/14	06/27/14					
ROWGROD	ROW-ROD Date (June 27, 2014)	0	06/27/14*						
Engineering/Procurement		1020	07/01/15	05/28/19					
General Submittals		1020	07/01/15	05/28/19					
Environmental		1020	07/01/15	05/28/19					
Submittals		145	07/01/15	01/29/16					
EPEN-0028S	Prepare & Submit Environmental Management Plan, Draft	40	07/01/15	08/26/15					
EPEN-0010S	Prep Long-term environmental Compliance Plan	30	07/01/15	08/12/15					
EPEN-0012	Designate D-B JV Biologist	10	07/01/15*	07/15/15					
EPEN-0014	Prep Hazardous Materials Remediation Plan	30	07/01/15	08/12/15					
EPEN-0016	Plan Approach to Habitat Mitigation and Monitoring Plan (HMMP).	45	07/01/15	09/02/15					
EPEN-0018S	Prepare & Submit Biological Resources Management Plan (BRMP)	45	07/01/15	09/02/15					
EPEN-0020S	Prepare & Submit Restoration and Revegetation Plan	60	07/01/15	09/24/15					
EPEN-0024S	Prepare & Submit Worker Environmental Awareness Program	30	07/01/15	08/12/15					
EPEN-0024R	Authority Review Worker Environmental Awareness Program	20	08/13/15	09/10/15					
EPEN-0028R	Authority Review Environmental Management Plan, Draft	20	08/27/15	09/24/15					
EPEN-0026S	Prepare & Submit Plan for Salvage, Relocation and/or Propagation of Species	45	08/27/15	10/30/15					
EPEN-0018R	Authority Review Biological Resources Management Plan (BRMP)	20	09/03/15	10/01/15					
EPEN-0030S	Prepare & Submit Environmental Management Plan, Final	30	09/25/15	11/06/15					
EPEN-0020R	Authority Review Restoration and Revegetation Plan	20	09/25/15	10/23/15					
EPEN-0022S	Prepare & Submit Weed Control Program	45	10/26/15	12/30/15					
EPEN-0026R	Authority Review Plan for Salvage, Relocation and/or Propagation of Species	20	11/02/15	12/01/15					
EPEN-0030R	Authority Review Environmental Management Plan, Final	20	11/09/15	12/08/15					
EPEN-0022R	Authority Review Weed Control Program	20	12/31/15	01/29/16					
Surveys		1020	07/01/15	05/28/19					
FLDSRV-0022	Surveys for Special Status Reptile and Amphibian Species	1428	07/01/15	05/28/19					
FLDSRV-0032	Surveys for Swainson's Hawks (March 1 to September 15).	579	07/01/15	05/28/19					
FLDSRV-0045	Surveys for San Joaquin Kit Fox. (May 1 to Sep 30)	579	07/01/15	05/28/19					
FLDSRV-0025	Surveys for Burrowing Owl (Feb 1 to Aug 31)	816	07/01/15	05/28/19					
FLDSRV-0027	Surveys for Blunt-Nosed Leopard Lizard	1364	09/03/15	05/28/19					
FLDSRV-0018	Surveys for Vernal Pool Fauna.	970	10/01/15	05/28/19					
FLDSRV-0039	Surveys for Fresno Kangaroo Rat	363	01/31/16	05/28/19					
FLDSRV-0016	Surveys for Special Status Plant Species and Special Status Plant Communities	641	03/01/16	05/28/19					
Reporting		758	07/01/16	05/28/19					
RPRT-0010	Annual Review of Environmental Management Plan Implimentation 1	15	07/01/16*	07/21/16					
RPRT-0012	Annual Review of Environmental Management Plan Implimentation 2	15	07/03/17*	07/21/17					
RPRT-0014	Annual Review of Environmental Management Plan Implimentation 3	15	07/02/18*	07/20/18					
RPRT-0016	Post-Construction Compliance Reports (By Construction Phase)	40	04/02/19	05/28/19					

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish					
					2015	2016	2017	2018	2019
RPRT-0018	Restore Temporary Riparian Impacts (Post-Construction)	40	04/03/19	05/28/19					
RPRT-0020	Restore Temporary impacts on Jurisdictional Waters (Post Construction)	40	04/03/19	05/28/19					
General Requirements		110	07/01/15	12/01/15					
EP01-0070	Establish Contracts for primary Subcontractors and Suppliers	120	07/01/15	10/28/15					
EP01-0090S	Submit/ SWPPP plan to Authority	20	07/01/15	07/29/15					
EP01-0040S	Prepare & Submit Flood Plane Studies	45	07/01/15	09/02/15					
EP01-0090R	Authority Review and Approve SWPPP plan	30	07/30/15	08/28/15					
EP01-0050S	Prepare & Submit Local Hydraulics Studies	30	09/03/15	10/16/15					
EP01-0040R	Authority Review Flood Plane Studies	30	09/03/15	10/02/15					
EP01-0050R	Authority Review Local Hydraulics Studies	30	10/19/15	12/01/15					
Metals		270	06/16/17	03/12/18					
EP050-10S	Truss Bridge, P/S Shop Drawings	90	06/16/17	09/13/17					
EP050-10R	Truss Bridge, R/A Shop Drawings	30	09/14/17	10/13/17					
EP050-10FH5	Truss Bridge, FAB Bridge H-5 (Sr-43 Truss)	150	10/14/17	03/12/18					
EP050-10FH7	Truss Bridge, FAB Bridge H-7 (Cole Slough Truss)	150	10/14/17	03/12/18					
EP050-10FH10	Truss Bridge, Fab Bridge H-10 (Dutch John Cut Truss)	150	10/14/17	03/12/18					
Management Segment 1 (587+00 to 1595+00)		1020	07/01/15	05/28/19					
Permits		520	07/01/15	12/01/16					
M1-USACE1000	Managment Segment 1Permits-USACE/CVFPB 408 Minor	366	07/01/15	06/30/16					
M1-USACE1010	Managment Segment 1Permits-USACE 404	520	07/01/15	12/01/16					
M1-CVFPB1000	Managment Segment 1Permits-CVFPB/ FEMA CLOMR	450	07/01/15	09/22/16					
M1-IRRIG1000	Managment Segment 1Permits-Irrigation Districts	490	07/01/15	11/01/16					
M1-UTIL1000	Managment Segment 1Permits-Utilities PG&E	510	07/01/15	11/21/16					
M1-UTIL1010	Managment Segment 1Permits-Utilities SDG&E	510	07/01/15	11/21/16					
M1-UTIL1020	Managment Segment 1Permits-Utilities SEMPRA	510	07/01/15	11/21/16					
M1-SWRCB1000	Managment Segment 1Permits-SWRCB Section 402 - NPDES	500	07/01/15	11/11/16					
M1-CDFW1000	Managment Segment 1Permits-CDFW Section 1602 Streambed Alteration Agre...	520	07/01/15	12/01/16					
Geotech		150	10/01/15	05/06/16					
GDR for Embankment		150	10/01/15	05/06/16					
M1EMBGeo-100FI	Geotech, Segment 1, Embankment GDR, Field Investigations	40	10/01/15	11/30/15					
M1EMBGeo-100DR	Geotech, Segment 1, Embankment GDR, P/S and R/A Draft Report	25	12/01/15	01/06/16					
M1EMBGeo-100FR	Geotech, Segment 1, Embankment GDR, P/S and R/A Final Report	48	03/02/16	05/06/16					
Design		572	07/01/15	09/07/17					
Civil		310	10/01/15	12/07/16					
Utilities		290	10/01/15	11/28/16					
60% Design		110	10/01/15	03/11/16					
M1UTD-060S	Utility Package, Segment 1, 60% Design, P/S	80	10/01/15	01/28/16					
M1UTD-060R	Utility Package, Segment 1, 60% Design, Authority R/A	30	01/29/16	03/11/16					
M1UTD-060AGN	Utility Package, Segment 1, 60 % Design, 3rd Party R/A	30	01/29/16	03/11/16					
90% Design		90	03/14/16	07/19/16					
M1UTD-090S	Utility Package, Segment 1, 90% Design, P/S	60	03/14/16	06/06/16					
M1UTD-090R	Utility Package, Segment 1, 90% Design, Authority R/A	30	06/07/16	07/19/16					
M1UTD-090AGN	Utility Package, Segment 1, 90 % Design, 3rd Party R/A	30	06/07/16	07/19/16					
RFC		90	07/20/16	11/28/16					
M1UTD-100S	Utility Package, Segment 1, RFC Design, P/S	60	07/20/16	10/12/16					
M1UTD-100R	Utility Package, Segment 1, RFC Design, Authority R/A	30	10/13/16	11/28/16					

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish					
					2015		2016		2017
M1UTD-100A	Utility Package, Segment 1, RFC Design, Approved	0		11/28/16					
Irrigation Canals		270	10/13/15	11/04/16					
60% Design		90	10/13/15	02/23/16					
M1IRD-060S	Irrigation Package, Segment 1, 60% Design, P/S	60	10/13/15	01/08/16					
M1IRD-060R	Irrigation Package, Segment 1, 60% Design, Authority R/A	30	01/11/16	02/23/16					
M1IRD-060AGN	Irrigation Package, Segment 1, 60% Design, 3rd Party R/A	30	01/11/16	02/23/16					
90% Design		90	02/24/16	06/29/16					
M1IRD-090S	Irrigation Package, Segment 1, 90% Design, P/S	60	02/24/16	05/17/16					
M1IRD-090R	Irrigation Package, Segment 1, 90% Design, Authority R/A	30	05/18/16	06/29/16					
M1IRD-090AGN	Irrigation Package, Segment 1, 90% Design, 3rd Party R/A	30	05/18/16	06/29/16					
RFC		90	06/30/16	11/04/16					
M1IRD-100S	Irrigation Package, Segment 1, RFC Design, P/S	60	06/30/16	09/23/16					
M1IRD-100R	Irrigation Package, Segment 1, RFC Design, Authority R/A	30	09/26/16	11/04/16					
M1IRD-100A	Irrigation Package, Segment 1, RFC Design, Approved	0		11/04/16					
Caltrans Roadway		210	10/09/15	08/11/16					
60% Design		30	10/09/15	11/23/15					
M1CRWD-060S	CALTRANS Roadway Package, Segment 1, 60% Design, P/S	0		10/09/15					
M1CRWD-060R	CALTRANS Roadway Package, Segment 1, 60% Design, Authority R/A	30	10/13/15	11/23/15					
M1CRWD-060AGN	CALTRANS Roadway Package, Segment 1, 60 % Design, 3rd Party R/A	30	10/13/15	11/23/15					
90% Design		90	11/24/15	04/05/16					
M1CRWD-090S	CALTRANS Roadway Package, Segment 1, 90% Design, P/S	60	11/24/15	02/23/16					
M1CRWD-090R	CALTRANS Roadway Package, Segment 1, 90% Design, Authority R/A	30	02/24/16	04/05/16					
M1CRWD-090AGN	CALTRANS Roadway Package, Segment 1, 90 % Design, 3rd Party R/A	30	02/24/16	04/05/16					
RFC		90	04/06/16	08/11/16					
M1CRWD-100S	CALTRANS Roadway Package, Segment 1, RFC Design, P/S	60	04/06/16	06/29/16					
M1CRWD-100R	CALTRANS Roadway Package, Segment 1, RFC Design, Authority R/A	30	06/30/16	08/11/16					
M1CRWD-100A	CALTRANS Roadway Package, Segment 1, RFC Design, Approved	0		08/11/16					
Rail Embankment		285	10/13/15	11/14/16					
60% Design		101	10/13/15	03/01/16					
M1RED-060S	Rail Embankment Package, Segment 1, 60% Design, P/S	65	10/13/15	01/15/16					
M1RED-060AGN	Rail Embankment Package, Segment 1, 60% Design, 3rd Party R/A	30	01/16/16	02/14/16					
M1RED-060R	Rail Embankment Package, Segment 1, 60% Design, Authority R/A	30	01/19/16	03/01/16					
90% Design		92	03/02/16	07/07/16					
M1RED-090S10	Rail Embankment Package, Segment 1, 90% Design, P/S	60	03/02/16	05/24/16					
M1RED-090R	Rail Embankment Package, Segment 1, 90% Design, Authority R/A	30	05/25/16	07/07/16					
M1RED-090AGN	Rail Embankment Package, Segment 1, 90% Design, 3rd Party R/A	30	05/25/16	06/23/16					
RFC		90	07/08/16	11/14/16					
M1RED-100S	Rail Embankment Package, Segment 1, RFC Design, P/S	60	07/08/16	09/30/16					
M1RED-100R	Rail Embankment Package, Segment 1, RFC Design, Authority R/A	30	10/03/16	11/14/16					
M1RED-100A	Rail Embankment Package, Segment 1, RFC Design, Approved	0		11/14/16					
BNSF Utilities & Earthwork		218	10/13/15	08/11/16					
60% Design		91	10/13/15	02/16/16					
M1BNSFD-060S	BNSF Utilities/Earthwork Package, Segment 1, 60% Design, P/S	55	10/13/15	12/31/15					
M1BNSF-060AGN	BNSF Utilities/Earthwork Package, Segment 1, 60% Design, 3rd Party R/A	30	01/01/16	01/30/16					
M1BNSFD-060R	BNSF Utilities/Earthwork Package, Segment 1, 60% Design, Authority R/A	30	01/04/16	02/16/16					
90% Design		65	02/17/16	05/17/16					
M1BNSFD-090S	BNSF Utilities/Earthwork Package, Segment 1, 90% Design, P/S	35	02/17/16	04/05/16					

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016	2017	2018	2019	
		M1BNSFD-090R	BNSF Utilities/Earthwork Package, Segment 1, 90% Design, Authority R/A		30	04/06/16	05/17/16					
		M1BNSF-090AGN	BNSF Utilities/Earthwork Package, Segment 1, 90% Design, 3rd Party R/A		30	04/06/16	05/05/16					
		RFC		60	05/18/16	08/11/16						
		M1BNSFD-100S	BNSF Utilities/Earthwork Package, Segment 1, RFC Design, P/S		30	05/18/16	06/29/16					
		M1BNSFD-100R	BNSF Utilities/Earthwork Package, Segment 1, RFC Design, Authority R/A		30	06/30/16	08/11/16					
		M1BNSFD-100A	BNSF Uiltities/Earthwork Package, Segment 1, RFC Design, Approved		0		08/11/16					
		Local Roadway		302	10/13/15	12/07/16						
		60% Design		116	10/13/15	03/22/16						
		M1LRWD-060S	Local Roadway Package, Segment 1, 60% Design, P/S		80	10/13/15	02/08/16					
		M1LRWD-060R	Local Roadway Package, Segment 1, 60% Design, Authority R/A		30	02/09/16	03/22/16					
		M1LRWD-060AGN	Local Roadway Package, Segment 1, 60 % Design, 3rd Party R/A		30	02/09/16	03/09/16					
		90% Design		92	03/23/16	07/28/16						
		M1LRWD-090S	Local Roadway Package, Segment 1, 90% Design, P/S		60	03/23/16	06/15/16					
		M1LRWD-090R	Local Roadway Package, Segment 1, 90% Design, Authority R/A		30	06/16/16	07/28/16					
		M1LRWD-090AGN	Local Roadway Package, Segment 1, 90 % Design, 3rd Party R/A		30	06/16/16	07/15/16					
		RFC		90	07/29/16	12/07/16						
		M1LRWD-100S	Local Roadway Package, Segment 1, RFC Design, P/S		60	07/29/16	10/21/16					
		M1LRWD-100R	Local Roadway Package, Segment 1, RFC Design, Authority R/A		30	10/24/16	12/07/16					
		M1LRWD-100A	Local Roadway Package, Segment 1, RFC Design, Approved		0		12/07/16					
		Structures			572	07/01/15	09/07/17					
		Walls/Embankment/Drainage Structures			408	07/01/15	01/20/17					
		Report for 60% Submittal			147	10/01/15	05/03/16					
		M1WALGEO-100FI	Walls, Segment 1, Geotech, Field Investigations		25	10/01/15	11/05/15					
		M1WALGEO-100DR	Walls, Segment 1, Geotech, P/S and R/A DFR		50	11/06/15	01/21/16					
		M1WALGEO-100FR	Walls, Segment 1, Geotech, P/S and R/A FFR		72	01/22/16	05/03/16					
		Type Selection			118	07/01/15	12/11/15					
		M1WALD-030S	Walls, Segment 1, Type Selection Report, P/S		62	07/01/15	09/28/15					
		M1WALD-030R	Walls, Segment 1, Type Selection Report, Authority R/A		20	09/29/15	10/27/15					
		M1WALD-030AGN	Walls, Segment 1, Type Selection Report, 3rd Party R/A		20	09/29/15	10/18/15					
		M1WALD-030CMNTS	Walls, Segment 1, Type Selection Report, Comments Resolution		10	10/28/15	11/10/15					
		M1WALD-030TYPE	Walls, Segment 1, Type Selection Report, Meeting and Approval		21	11/11/15	12/11/15					
		60% Design			122	12/14/15	05/31/16					
		M1WALD-060S	Walls, Segment 1, 60% Design, P/S		77	12/14/15	04/04/16					
		M1WALD-060R	Walls, Segment 1, 60% Design, Authority R/A		30	04/05/16	05/16/16					
		M1WALD-060AGN	Walls, Segment 1, 60% Design, 3rd Party R/A		30	04/05/16	05/04/16					
		M1WALD-060CMNT	Walls, Segment 1, 60% Design, Comments Resolution		10	05/17/16	05/31/16					
		90% Design			112	06/01/16	11/03/16					
		M1WALD-090S	Walls, Segment 1, 90% Design, P/S		70	06/01/16	09/08/16					
		M1WALD-090R	Walls, Segment 1, 90% Design, Authority R/A		30	09/09/16	10/20/16					
		M1WALD-090AGN	Walls, Segment 1, 90% Design, 3rd Party R/A		30	09/09/16	10/08/16					
M1WALD-090CMNT	Walls, Segment 1, 90% Design, Comments Resolution		10	10/21/16	11/03/16							
RFC			50	11/04/16	01/20/17							
M1WALD-100S	Walls, Segment 1, RFC Design, P/S		35	11/04/16	12/28/16							
M1WALD-100R	Walls, Segment 1, RFC Design, Authority R/A		15	12/29/16	01/20/17							
M1WALD-100A	Walls, Segment 1, RFC Design, Approved		0		01/20/17							
Special Structures			408	07/01/15	01/20/17							
Geotech			147	10/01/15	05/03/16							

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016	2017	2018	2019			
		M1SPCLD-GEO060F	Special Structures, Segment 1, Geotech, Field Testing & Lab work	25	10/01/15	11/05/15								
		M1SPCLD-GEO060L	Special Structures, Segment 1, Geotech, P/S DFR	50	11/06/15	01/21/16								
		M1SPCLD-GEO100F	Special Structures, Segment 1, Geotech, P/St FFR	72	01/22/16	05/03/16								
		Type Selection		118	07/01/15	12/11/15								
		M1SPCLD-030S	Special Structures, Segment 1, Type Selection Report, P/S	62	07/01/15	09/28/15								
		M1SPCLD-030R	Special Structures, Segment 1, Type Selection Report, Authority R/A	20	09/29/15	10/27/15								
		M1SPCLD-030AGN	Special Structures, Segment 1, Type Selection Report, 3rd Party R/A	20	09/29/15	10/18/15								
		M1SPCLD-030CMNT	Special Structures, Segment 1, Type Selection Report, Comments Resolution	10	10/28/15	11/10/15								
		M1SPCLD-030TYPE	Special Structures, Segment 1, Type Selection Report, Meeting and Approval	21	11/11/15	12/11/15								
		60% Design		122	12/14/15	05/31/16								
		M1SPCLD-060S	Special Structures, Segment 1, 60% Design, P/S	77	12/14/15	04/04/16								
		M1SPCLD-060R	Special Structures, Segment 1, 60% Design, Authority R/A	30	04/05/16	05/16/16								
		M1SPCLD-060AGN	Special Structures, Segment 1, 60% Design, 3rd Party R/A	30	04/05/16	05/04/16								
		M1SPCLD-060IND	Special Structures, Segment 1, 60% Design, Independent Check	30	04/05/16	05/16/16								
		M1SPCLD-060CMNT	Special Structures, Segment 1, 60% Design, Comments Resolution	10	05/17/16	05/31/16								
		90% Design		112	06/01/16	11/03/16								
		M1SPCLD-090S	Special Structures, Segment 1, 90% Design, P/S	70	06/01/16	09/08/16								
		M1SPCLD-090R	Special Structures, Segment 1, 90% Design, Authority R/A	30	09/09/16	10/20/16								
		M1SPCLD-090AGN	Special Structures, Segment 1, 90% Design, 3rd Party R/A	30	09/09/16	10/08/16								
		M1SPCLD-090CMNT	Special Structures, Segment 1, 90% Design, Comments Resolution	10	10/21/16	11/03/16								
		RFC		50	11/04/16	01/20/17								
		M1SPCLD-100S	Special Structures, Segment 1, RFC Design, P/S	35	11/04/16	12/28/16								
		M1SPCLD-100R	Special Structures, Segment 1, RFC Design, Authority R/A	15	12/29/16	01/20/17								
		M1SPCLD-100A	Special Structures, Segment 1, RFC Design, Approved	0		01/20/17								
		Concrete HST Bridges			572	07/01/15	09/07/17							
		Conejo H-1			464	07/01/15	04/10/17							
		Geotech			177	10/01/15	06/15/16							
		M1H03D-GEO060F	Bridge H-1(Conejo Box Girder), Geotech, Field Testing & Lab work	55	10/01/15	12/21/15								
		M1H03D-GEO060	Bridge H-1(Conejo Box Girder), Geotech, P/S and R/A DFR	50	12/22/15	03/04/16								
		M1H03D-GEO100	Bridge H-1(Conejo Box Girder), Geotech, P/S and R/A FFR	72	03/07/16	06/15/16								
		Type Selection			135	07/01/15	01/05/16							
		M1H03D-030S	Bridge H-1(Conejo Box Girder), Type Selection Report, P/S	77	07/01/15	10/20/15								
		M1H03D-030R	Bridge H-1(Conejo Box Girder), Type Selection Report, Authority R/A	20	10/21/15	11/17/15								
		M1H03D-030AGN	Bridge H-1(Conejo Box Girder), Type Selection Report, 3rd Party R/A	20	10/21/15	11/09/15								
		M1H03D-030CMN	Bridge H-1(Conejo Box Girder), Type Selection Report, Comments Resolution	10	11/18/15	12/03/15								
		M1H03D-030TYPE	Bridge H-1(Conejo Box Girder), Type Selection Report, Meeting and Approval	21	12/04/15	01/05/16								
		BNSF Design Package			303	01/06/16	03/03/17							
		M1H03D-030BNSI	Bridge H-1(Conejo Box Girder), BNSF Design Package, P/S	20	01/06/16	02/03/16								
		M1H03D-030BNSI	Bridge H-1(Conejo Box Girder), BNSF Design Package, BNSF R/A	45	02/04/16	04/07/16								
		M1H03D-030CPUC	Bridge H-1(Conejo Box Girder), BNSF Design Package, CPUC R/A	330	04/08/16	03/03/17								
		60% Design			140	02/04/16	08/17/16							
		M1H03D-060S	Bridge H-1(Conejo Box Girder), 60% Bridge Design, P/S	97	02/04/16	06/21/16								
		M1H03D-060R	Bridge H-1(Conejo Box Girder), 60% Bridge Design, Authority R/A	30	06/22/16	08/03/16								
		M1H03D-060AGN	Bridge H-1(Conejo Box Girder), 60% Bridge Design, 3rd Party R/A	30	06/22/16	07/21/16								
		M1H03D-060IND	Bridge H-1(Conejo Box Girder), 60% Bridge Design, Independent Check	40	06/22/16	08/17/16								
		M1H03D-060CMNT	Bridge H-1(Conejo Box Girder), 60% Bridge Design, Comments Resolution	10	08/04/16	08/17/16								
90% Design			110	08/18/16	01/27/17									

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish					
					2015		2016		2017
	M1H03D-090S	Bridge H-1(Conejo Box Girder), 90% Bridge Design, P/S	70	08/18/16	11/29/16				
	M1H03D-090R	Bridge H-1(Conejo Box Girder), 90% Bridge Design, Authority R/A	30	11/30/16	01/12/17				
	M1H03D-090AGN	Bridge H-1(Conejo Box Girder), 90% Bridge Design, 3rd Party R/A	30	11/30/16	01/12/17				
	M1H03D-090CMNT	Bridge H-1(Conejo Box Girder), 90% Bridge Design, Comments Resolution	10	01/13/17	01/27/17				
	RFC		50	01/30/17	04/10/17				
	M1H03D-100S	Bridge H-1(Conejo Box Girder), RFC Bridge Design-P/S	35	01/30/17	03/20/17				
	M1H03D-100R	Bridge H-1(Conejo Box Girder), RFC Bridge Design, Authority R/A	15	03/21/17	04/10/17				
	M1H03D-100A	Bridge H-1(Conejo Box Girder), RFC Bridge Design, Approved	0		04/10/17				
	BNSF H-3		463	08/10/15	05/17/17				
	Geotech		177	10/16/15	06/29/16				
	M1H05D-GEO060F	Bridge H-3(BNSF Box Girder), Geotech, Field Testing & Lab work	55	10/16/15	01/06/16				
	M1H05D-GEO060	Bridge H-3(BNSF Box Girder), Geotech, P/S and R/A DFR	50	01/07/16	03/18/16				
	M1H05D-GEO100	Bridge H-3(BNSF Box Girder), Geotech, P/S and R/A FFR	72	03/21/16	06/29/16				
	Type Selection		135	08/10/15	02/12/16				
	M1H05D-030S	Bridge H-3(BNSF Box Girder), Type Selection Report, P/S	77	08/10/15	11/30/15				
	M1H05D-030R	Bridge H-3(BNSF Box Girder), Type Selection Report, Authority R/A	20	12/01/15	12/29/15				
	M1H05D-030AGN	Bridge H-3(BNSF Box Girder), Type Selection Report, 3rd Party R/A	20	12/01/15	12/20/15				
	M1H05D-030CMN	Bridge H-3(BNSF Box Girder), Type Selection Report, Comments Resolution	10	12/30/15	01/13/16				
	M1H05D-030TYPE	Bridge H-3(BNSF Box Girder), Type Selection Report, Meeting and Approval	21	01/14/16	02/12/16				
	BNSF Design Package		301	02/16/16	04/11/17				
	M1H05D-030BNSI	Bridge H-3(BNSF Box Girder), BNSF Design Package, P/S	20	02/16/16	03/14/16				
	M1H05D-030BNSI	Bridge H-3(BNSF Box Girder), BNSF Design Package, BNSF R/A	45	03/15/16	05/16/16				
	M1H05D-030CPUC	Bridge H-3(BNSF Box Girder), BNSF Design Package, CPUC R/A	330	05/17/16	04/11/17				
	60% Design		140	03/15/16	09/26/16				
	M1H05D-060S	Bridge H-3(BNSF Box Girder), 60% Bridge Design, P/S	97	03/15/16	07/29/16				
	M1H05D-060R	Bridge H-3(BNSF Box Girder), 60% Bridge Design, Authority R/A	30	08/01/16	09/12/16				
	M1H05D-060AGN	Bridge H-3(BNSF Box Girder), 60% Bridge Design, 3rd Party R/A	30	08/01/16	08/30/16				
	M1H05D-060IND	Bridge H-3(BNSF Box Girder), 60% Bridge Design, Independent Check	40	08/01/16	09/26/16				
	M1H05D-060CMNT	Bridge H-3(BNSF Box Girder), 60% Bridge Design, Comments Resolution	10	09/13/16	09/26/16				
	90% Design		117	09/27/16	03/08/17				
	M1H05D-090S	Bridge H-3(BNSF Box Girder), 90% Bridge Design, P/S	70	09/27/16	01/09/17				
	M1H05D-090R	Bridge H-3(BNSF Box Girder), 90% Bridge Design, Authority R/A	30	01/10/17	02/22/17				
	M1H05D-090AGN	Bridge H-3(BNSF Box Girder), 90% Bridge Design, 3rd Party R/A	30	01/10/17	02/08/17				
	M1H05D-090CMNT	Bridge H-3(BNSF Box Girder), 90% Bridge Design, Comments Resolution	10	02/23/17	03/08/17				
	RFC		50	03/09/17	05/17/17				
	M1H05D-100S	Bridge H-3(BNSF Box Girder), RFC Bridge Design-P/S	35	03/09/17	04/26/17				
	M1H05D-100R	Bridge H-3(BNSF Box Girder), RFC Bridge Design, Authority R/A	15	04/27/17	05/17/17				
	M1H05D-100A	Bridge H-3(BNSF Box Girder), RFC Bridge Design, Approved	0		05/17/17				
	S. Peach H-4		463	09/21/15	06/28/17				
	Geotech		177	10/30/15	07/14/16				
	M1H07D-GEO060F	Bridge H-4(S.Peach Ave, Box Girder), Geotech, Field Testing & Lab work	55	10/30/15	01/21/16				
	M1H07D-GEO060	Bridge H-4(S.Peach Ave, Box Girder), Geotech, P/S and R/A DFR	50	01/22/16	04/01/16				
	M1H07D-GEO100	Bridge H-4(S.Peach Ave, Box Girder), Geotech, P/S and R/A FFR	72	04/04/16	07/14/16				
	Type Selection		135	09/21/15	03/25/16				
	M1H07D-030S	Bridge H-4(S.Peach Ave, Box Girder), Type Selection Report, P/S	77	09/21/15	01/12/16				
	M1H07D-030R	Bridge H-4(S.Peach Ave, Box Girder), Type Selection Report, Authority R/A	20	01/13/16	02/10/16				
	M1H07D-030AGN	Bridge H-4(S.Peach Ave, Box Girder), Type Selection Report, 3rd Party R/A	20	01/13/16	02/01/16				

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish											
						2015		2016		2017		2018		2019		
		M1H07D-030CMN	Bridge H-4(S.Peach Ave, Box Girder), Type Selection Report, Comments Resol...	10	02/11/16	02/25/16			<div></div>							
		M1H07D-030TYPE	Bridge H-4(S.Peach Ave, Box Girder), Type Selection Report, Meeting and Appr...	21	02/26/16	03/25/16			<div></div>							
		BNSF Design Package		302	03/28/16	05/23/17										
		M1H07D-030BNSI	Bridge H-4(S.Peach Ave, Box Girder), BNSF Design Package, P/S	20	03/28/16	04/22/16			<div></div>							
		M1H07D-030BNSI	Bridge H-4(S.Peach Ave, Box Girder), BNSF Design Package, BNSF R/A	45	04/25/16	06/27/16				<div></div>						
		M1H07D-030CPUC	Bridge H-4(S.Peach Ave, Box Girder), BNSF Design Package, CPUC R/A	330	06/28/16	05/23/17				<div></div>						
		60% Design		137	04/25/16	11/04/16										
		M1H07D-060S	Bridge H-4(S.Peach Ave, Box Girder), 60% Bridge Design, P/S	97	04/25/16	09/09/16			<div></div>							
		M1H07D-060R	Bridge H-4(S.Peach Ave, Box Girder), 60% Bridge Design, Authority R/A	30	09/12/16	10/21/16				<div></div>						
		M1H07D-060AGN	Bridge H-4(S.Peach Ave, Box Girder), 60% Bridge Design, 3rd Party R/A	30	09/12/16	10/21/16				<div></div>						
		M1H07D-060IND	Bridge H-4(S.Peach Ave, Box Girder), 60% Bridge Design, Independent Check	40	09/12/16	11/04/16				<div></div>						
		M1H07D-060CMNT	Bridge H-4(S.Peach Ave, Box Girder), 60% Bridge Design, Comments Resolution	10	10/24/16	11/04/16				<div></div>						
		90% Design		117	11/07/16	04/18/17										
		M1H07D-090S	Bridge H-4(S.Peach Ave, Box Girder), 90% Bridge Design, P/S	70	11/07/16	02/21/17			<div></div>							
		M1H07D-090R	Bridge H-4(S.Peach Ave, Box Girder), 90% Bridge Design, Authority R/A	30	02/22/17	04/04/17				<div></div>						
		M1H07D-090AGN	Bridge H-4(S.Peach Ave, Box Girder), 90% Bridge Design, 3rd Party R/A	30	02/22/17	03/23/17				<div></div>						
		M1H07D-090CMNT	Bridge H-4(S.Peach Ave, Box Girder), 90% Bridge Design, Comments Resolution	10	04/05/17	04/18/17				<div></div>						
		RFC		50	04/19/17	06/28/17										
		M1H07D-100S	Bridge H-4(S.Peach Ave, Box Girder), RFC Bridge Design-P/S	35	04/19/17	06/07/17										
		M1H07D-100R	Bridge H-4(S.Peach Ave, Box Girder), RFC Bridge Design, Authority R/A	15	06/08/17	06/28/17				<div></div>						
		M1H07D-100A	Bridge H-4(S.Peach Ave, Box Girder), RFC Bridge Design, Approved	0		06/28/17										
		9th Ave. H-11		464	07/01/15	04/10/17										
		Geotech		177	10/01/15	06/15/16				<div></div>						
		M1H26D-GEO060F	Bridge H-11(9th Ave Box Girder), Geotech, Field Testing & Lab work	55	10/01/15	12/21/15					<div></div>					
		M1H26D-GEO060	Bridge H-11(9th Ave Box Girder), Geotech, P/S and R/A DFR	50	12/22/15	03/04/16				<div></div>						
		M1H26D-GEO100	Bridge H-11(9th Ave Box Girder), Geotech, P/S and R/A FFR	72	03/07/16	06/15/16				<div></div>						
		Type Selection		135	07/01/15	01/05/16			<div></div>							
		M1H26D-030S	Bridge H-11(9th Ave Box Girder), Type Selection Report, P/S	77	07/01/15	10/20/15				<div></div>						
		M1H26D-030R	Bridge H-11(9th Ave Box Girder), Type Selection Report, Authority R/A	20	10/21/15	11/17/15				<div></div>						
		M1H26D-030AGN	Bridge H-11(9th Ave Box Girder), Type Selection Report, 3rd Party R/A	20	10/21/15	11/09/15				<div></div>						
		M1H26D-030CMN	Bridge H-11(9th Ave Box Girder), Type Selection Report, Comments Resolution	10	11/18/15	12/03/15				<div></div>						
		M1H26D-030TYPE	Bridge H-11(9th Ave Box Girder), Type Selection Report, Meeting and Approval	21	12/04/15	01/05/16				<div></div>						
		BNSF Design Package		303	01/06/16	03/03/17				<div></div>						
		M1H26D-030BNSI	Bridge H-11(9th Ave Box Girder), BNSF Design Package, P/S	20	01/06/16	02/03/16					<div></div>					
		M1H26D-030BNSI	Bridge H-11(9th Ave Box Girder), BNSF Design Package, BNSF R/A	45	02/04/16	04/07/16				<div></div>						
		M1H26D-030CPUC	Bridge H-11(9th Ave Box Girder), BNSF Design Package, CPUC R/A	330	04/08/16	03/03/17				<div></div>						
		60% Design		140	02/04/16	08/17/16				<div></div>						
		M1H26D-060S	Bridge H-11(9th Ave Box Girder), 60% Bridge Design, P/S	97	02/04/16	06/21/16			<div></div>							
		M1H26D-060R	Bridge H-11(9th Ave Box Girder), 60% Bridge Design, Authority R/A	30	06/22/16	08/03/16				<div></div>						
		M1H26D-060AGN	Bridge H-11(9th Ave Box Girder), 60% Bridge Design, 3rd Party R/A	30	06/22/16	07/21/16				<div></div>						
M1H26D-060IND	Bridge H-11(9th Ave Box Girder), 60% Bridge Design, Independent Check	40	06/22/16	08/17/16		<div></div>										
M1H26D-060CMNT	Bridge H-11(9th Ave Box Girder), 60% Bridge Design, Comments Resolution	10	08/04/16	08/17/16		<div></div>										
90% Design		117	08/18/16	01/27/17				<div></div>								
M1H26D-090S	Bridge H-11(9th Ave Box Girder), 90% Bridge Design, P/S	70	08/18/16	11/29/16				<div></div>								
M1H26D-090R	Bridge H-11(9th Ave Box Girder), 90% Bridge Design, Authority R/A	30	11/30/16	01/12/17					<div></div>							
M1H26D-090AGN	Bridge H-11(9th Ave Box Girder), 90% Bridge Design, 3rd Party R/A	30	11/30/16	12/29/16					<div></div>							
M1H26D-090CMNT	Bridge H-11(9th Ave Box Girder), 90% Bridge Design, Comments Resolution	10	01/13/17	01/27/17					<div></div>							

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016	2017	2018	2019
RFC			50	01/30/17	04/10/17						
M1H26D-100S		Bridge H-11(9th Ave Box Girder), RFC Bridge Design-P/S	35	01/30/17	03/20/17						
M1H26D-100R		Bridge H-11(9th Ave Box Girder), RFC Bridge Design, Authority R/A	15	03/21/17	04/10/17						
M1H26D-100A		Bridge H-11(9th Ave Box Girder), RFC Bridge Design, Approved	0		04/10/17						
Cairo St, H-12			463	08/10/15	05/17/17						
Geotech			177	10/16/15	06/29/16						
M1H28D-GEO060F		Bridge H-12(Cairo PC Box Beam), Geotech, Field Testing & Lab work	55	10/16/15	01/06/16						
M1H28D-GEO060		Bridge H-12(Cairo PC Box Beam), Geotech, P/S and R/A DFR	50	01/07/16	03/18/16						
M1H28D-GEO100		Bridge H-12(Cairo PC Box Beam), Geotech, P/S and R/A FFR	72	03/21/16	06/29/16						
Type Selection			135	08/10/15	02/12/16						
M1H28D-030S		Bridge H-12(Cairo PC Box Beam), Type Selection Report, P/S	77	08/10/15	11/30/15						
M1H28D-030R		Bridge H-12(Cairo PC Box Beam), Type Selection Report, Authority R/A	20	12/01/15	12/29/15						
M1H28D-030AGN		Bridge H-12(Cairo PC Box Beam), Type Selection Report, 3rd Party R/A	20	12/01/15	12/20/15						
M1H28D-030CMN		Bridge H-12(Cairo PC Box Beam), Type Selection Report, Comments Resolution	10	12/30/15	01/13/16						
M1H28D-030TYPE		Bridge H-12(Cairo PC Box Beam), Type Selection Report, Meeting and Approval	21	01/14/16	02/12/16						
BNSF Design Package			301	02/16/16	04/11/17						
M1H28D-030BNSI		Bridge H-12(Cairo PC Box Beam), BNSF Design Package, P/S	20	02/16/16	03/14/16						
M1H28D-030BNSI		Bridge H-12(Cairo PC Box Beam), BNSF Design Package, BNSF R/A	45	03/15/16	05/16/16						
M1H28D-030CPUC		Bridge H-12(Cairo PC Box Beam), BNSF Design Package, CPUC R/A	330	05/17/16	04/11/17						
60% Design			137	03/15/16	09/26/16						
M1H28D-060S		Bridge H-12(Cairo PC Box Beam), 60% Bridge Design, P/S	97	03/15/16	07/29/16						
M1H28D-060R		Bridge H-12(Cairo PC Box Beam), 60% Bridge Design, Authority R/A	30	08/01/16	09/12/16						
M1H28D-060AGN		Bridge H-12(Cairo PC Box Beam), 60% Bridge Design, 3rd Party R/A	30	08/01/16	09/12/16						
M1H28D-060IND		Bridge H-12(Cairo PC Box Beam), 60% Bridge Design, Independent Check	40	08/01/16	09/26/16						
M1H28D-060CMNT		Bridge H-12(Cairo PC Box Beam), 60% Bridge Design, Comments Resolution	10	09/13/16	09/26/16						
90% Design			117	09/27/16	03/08/17						
M1H28D-090S		Bridge H-12(Cairo PC Box Beam), 90% Bridge Design, P/S	70	09/27/16	01/09/17						
M1H28D-090R		Bridge H-12(Cairo PC Box Beam), 90% Bridge Design, Authority R/A	30	01/10/17	02/22/17						
M1H28D-090AGN		Bridge H-12(Cairo PC Box Beam), 90% Bridge Design, 3rd Party R/A	30	01/10/17	02/08/17						
M1H28D-090CMNT		Bridge H-12(Cairo PC Box Beam), 90% Bridge Design, Comments Resolution	10	02/23/17	03/08/17						
RFC			50	03/09/17	05/17/17						
M1H28D-100S		Bridge H-12(Cairo PC Box Beam), RFC Bridge Design-P/S	35	03/09/17	04/26/17						
M1H28D-100R		Bridge H-12(Cairo PC Box Beam), RFC Bridge Design, Authority R/A	15	04/27/17	05/17/17						
M1H28D-100A		Bridge H-12(Cairo PC Box Beam), RFC Bridge Design, Approved	0		05/17/17						
Kings River, H-13			463	09/21/15	06/28/17						
Geotech			177	10/30/15	07/14/16						
M1H30D-GEO060F		Bridge H-13(Kings River Viaduct), Geotech, Field Testing & Lab work	55	10/30/15	01/21/16						
M1H30D-GEO060		Bridge H-13(Kings River Viaduct), Geotech, P/S and R/A DFR	50	01/22/16	04/01/16						
M1H30D-GEO100		Bridge H-13(Kings River Viaduct), Geotech, P/S and R/A FFR	72	04/04/16	07/14/16						
Type Selection			135	09/21/15	03/25/16						
M1H30D-030S		Bridge H-13(Kings River Viaduct), Type Selection Report, P/S	77	09/21/15	01/12/16						
M1H30D-030R		Bridge H-13(Kings River Viaduct), Type Selection Report, Authority R/A	20	01/13/16	02/10/16						
M1H30D-030AGN		Bridge H-13(Kings River Viaduct), Type Selection Report, 3rd Party R/A	20	01/13/16	02/01/16						
M1H30D-030CMN		Bridge H-13(Kings River Viaduct), Type Selection Report, Comments Resolution	10	02/11/16	02/25/16						
M1H30D-030TYPE		Bridge H-13(Kings River Viaduct), Type Selection Report, Meeting and Approval	21	02/26/16	03/25/16						
BNSF Design Package			302	03/28/16	05/23/17						
M1H30D-030BNSI		Bridge H-13(Kings River Viaduct), BNSF Design Package, P/S	20	03/28/16	04/22/16						

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016	2017	2018	2019		
		M1H30D-030BNSI	Bridge H-13(Kings River Viaduct), BNSF Design Package, BNSF R/A	45	04/25/16	06/27/16							
		M1H30D-030CPUC	Bridge H-13(Kings River Viaduct), BNSF Design Package, CPUC R/A	330	06/28/16	05/23/17							
		60% Design		140	04/25/16	11/04/16							
		M1H30D-060S	Bridge H-13(Kings River Viaduct), 60% Bridge Design, P/S	97	04/25/16	09/09/16							
		M1H30D-060R	Bridge H-13(Kings River Viaduct), 60% Bridge Design, Authority R/A	30	09/12/16	10/21/16							
		M1H30D-060AGN	Bridge H-13(Kings River Viaduct), 60% Bridge Design, 3rd Party R/A	30	09/12/16	10/11/16							
		M1H30D-060IND	Bridge H-13(Kings River Viaduct), 60% Bridge Design, Independent Check	40	09/12/16	11/04/16							
		M1H30D-060CMNT	Bridge H-13(Kings River Viaduct), 60% Bridge Design, Comments Resolution	10	10/24/16	11/04/16							
		90% Design		117	11/07/16	04/18/17							
		M1H30D-090S	Bridge H-13(Kings River Viaduct), 90% Bridge Design, P/S	70	11/07/16	02/21/17							
		M1H30D-090R	Bridge H-13(Kings River Viaduct), 90% Bridge Design, Authority R/A	30	02/22/17	04/04/17							
		M1H30D-090AGN	Bridge H-13(Kings River Viaduct), 90% Bridge Design, 3rd Party R/A	30	02/22/17	03/23/17							
		M1H30D-090CMNT	Bridge H-13(Kings River Viaduct), 90% Bridge Design, Comments Resolution	10	04/05/17	04/18/17							
		RFC		50	04/19/17	06/28/17							
		M1H30D-100S	Bridge H-13(Kings River Viaduct), RFC Bridge Design-P/S	35	04/19/17	06/07/17							
		M1H30D-100R	Bridge H-13(Kings River Viaduct), RFC Bridge Design, Authority R/A	15	06/08/17	06/28/17							
		M1H30D-100A	Bridge H-13(Kings River Viaduct), RFC Bridge Design, Approved	0		06/28/17							
		Access Road H-9			408	07/01/15	01/20/17						
		Geotech			157	10/01/15	05/17/16						
		M1H22D-GEO060F	Bridge H-9 (Access Road) Geotech, Field Testing & Lab work	35	10/01/15	11/19/15							
		M1H22D-GEO060	Bridge H-9 (Access Road) Geotech, P/S and R/A DFR	50	11/20/15	02/04/16							
		M1H22D-GEO100	Bridge H-9 (Access Road) Geotech, P/S and R/A FFR	72	02/05/16	05/17/16							
		Type Selection			118	07/01/15	12/11/15						
		M1H22D-030S	Bridge H-9 (Access Road) Type Selection Report, P/S	62	07/01/15	09/28/15							
		M1H22D-030R	Bridge H-9 (Access Road) Type Selection Report, Authority R/A	20	09/29/15	10/27/15							
		M1H22D-030AGN	Bridge H-9 (Access Road) Type Selection Report, 3rd Party R/A	20	09/29/15	10/18/15							
		M1H22D-030CMN	Bridge H-9 (Access Road) Type Selection Report, Comments Resolution	10	10/28/15	11/10/15							
		M1H22D-030TYPE	Bridge H-9 (Access Road) Type Selection Report, Meeting and Approval	21	11/11/15	12/11/15							
		60% Design			122	12/14/15	05/31/16						
		M1H22D-060S	Bridge H-9 (Access Road) 60% Bridge Design, P/S	77	12/14/15	04/04/16							
		M1H22D-060R	Bridge H-9 (Access Road) 60% Bridge Design, Authority R/A	30	04/05/16	05/16/16							
		M1H22D-060AGN	Bridge H-9 (Access Road) 60% Bridge Design, 3rd Party R/A	30	04/05/16	05/04/16							
		M1H22D-060IND	Bridge H-9 (Access Road) 60% Bridge Design, Independent Check	30	04/05/16	05/16/16							
		M1H22D-060CMNT	Bridge H-9 (Access Road) 60% Bridge Design, Comments Resolution	10	05/17/16	05/31/16							
		90% Design			112	06/01/16	11/03/16						
		M1H22D-090S	Bridge H-9 (Access Road) 90% Bridge Design, P/S	70	06/01/16	09/08/16							
		M1H22D-090R	Bridge H-9 (Access Road) 90% Bridge Design, Authority R/A	30	09/09/16	10/20/16							
		M1H22D-090AGN	Bridge H-9 (Access Road) 90% Bridge Design, 3rd Party R/A	30	09/09/16	10/08/16							
		M1H22D-090CMNT	Bridge H-9 (Access Road) 90% Bridge Design, Comments Resolution	10	10/21/16	11/03/16							
		RFC			50	11/04/16	01/20/17						
M1H22D-100S	Bridge H-9 (Access Road) RFC Bridge Design-P/S	35	11/04/16	12/28/16									
M1H22D-100R	Bridge H-9 (Access Road) RFC Bridge Design, Authority R/A	15	12/29/16	01/20/17									
M1H22D-100A	Bridge H-9 (Access Road) RFC Bridge Design-Approved	0		01/20/17									
SR43 H-5			484	08/10/15	06/15/17								
Geotech			157	10/16/15	06/01/16								
M1H18D-GEO060F	Bridge H-5(SR-43 Truss) Geotech, Field Testing & Lab work	35	10/16/15	12/07/15									
M1H18D-GEO060	Bridge H-5(SR-43 Truss) Geotech, P/S and R/A DFR	50	12/08/15	02/19/16									

Detailed CPM Schedule






Activity ID	Activity Name	OD	Start	Finish										
					2015		2016		2017		2018		2019	
M1H18D-GEO100	Bridge H-5(SR-43 Truss) Geotech, P/S and R/A FFR	72	02/22/16	06/01/16										
Type Selection		135	08/10/15	02/12/16										
M1H18D-030S	Bridge H-5(SR-43 Truss) Type Selection Report, P/S	77	08/10/15	11/30/15										
M1H18D-030R	Bridge H-5(SR-43 Truss) Type Selection Report, Authority R/A	20	12/01/15	12/29/15										
M1H18D-030AGN	Bridge H-5(SR-43 Truss) Type Selection Report, 3rd Party R/A	20	12/01/15	12/20/15										
M1H18D-030CMN	Bridge H-5(SR-43 Truss) Type Selection Report, Comments Resolution	10	12/30/15	01/13/16										
M1H18D-030TYPE	Bridge H-5(SR-43 Truss) Type Selection Report, Meeting and Approval	21	01/14/16	02/12/16										
60% Design		180	02/16/16	10/24/16										
M1H18D-060S	Bridge H-5(SR-43 Truss) 60% Bridge Design, P/S	137	02/16/16	08/26/16										
M1H18D-060R	Bridge H-5(SR-43 Truss) 60% Bridge Design, Authority R/A	30	08/29/16	10/10/16										
M1H18D-060AGN	Bridge H-5(SR-43 Truss) 60% Bridge Design, 3rd Party R/A	30	08/29/16	09/27/16										
M1H18D-060IND	Bridge H-5(SR-43 Truss) 60% Bridge Design, Independent Check	40	08/29/16	10/24/16										
M1H18D-060CMNT	Bridge H-5(SR-43 Truss) 60% Bridge Design, Comments Resolution	10	10/11/16	10/24/16										
90% Design		117	10/25/16	04/05/17										
M1H18D-090S	Bridge H-5(SR-43 Truss) 90% Bridge Design, P/S	70	10/25/16	02/07/17										
M1H18D-090R	Bridge H-5(SR-43 Truss) 90% Bridge Design, Authority R/A	30	02/08/17	03/22/17										
M1H18D-090AGN	Bridge H-5(SR-43 Truss) 90% Bridge Design, 3rd Party R/A	30	02/08/17	03/09/17										
M1H18D-090CMNT	Bridge H-5(SR-43 Truss) 90% Bridge Design, Comments Resolution	10	03/23/17	04/05/17										
RFC		50	04/06/17	06/15/17										
M1H18D-100S	Bridge H-5(SR-43 Truss) RFC Bridge Design-P/S	35	04/06/17	05/24/17										
M1H18D-100R	Bridge H-5(SR-43 Truss) RFC Bridge Design, Authority R/A	15	05/25/17	06/15/17										
M1H18D-100A	Bridge H-5(SR-43 Truss) RFC Bridge Design-Approved	0		06/15/17										
Cole Slough H-7		484	08/10/15	06/15/17										
Geotech		157	10/30/15	06/15/16										
M1H20D-GEO060F	Bridge H-7(Cole Slough Truss) Geotech, Field Testing & Lab work	35	10/30/15	12/21/15										
M1H20D-GEO060	Bridge H-7(Cole Slough Truss) Geotech, P/S and R/A DFR	50	12/22/15	03/04/16										
M1H20D-GEO100	Bridge H-7(Cole Slough Truss) Geotech, P/S and R/A FFR	72	03/07/16	06/15/16										
Type Selection		135	08/10/15	02/12/16										
M1H20D-030S	Bridge H-7(Cole Slough Truss) Type Selection Report, P/S	77	08/10/15	11/30/15										
M1H20D-030R	Bridge H-7(Cole Slough Truss) Type Selection Report, Authority R/A	20	12/01/15	12/29/15										
M1H20D-030AGN	Bridge H-7(Cole Slough Truss) Type Selection Report, 3rd Party R/A	20	12/01/15	12/20/15										
M1H20D-030CMN	Bridge H-7(Cole Slough Truss) Type Selection Report, Comments Resolution	10	12/30/15	01/13/16										
M1H20D-030TYPE	Bridge H-7(Cole Slough Truss) Type Selection Report, Meeting and Approval	21	01/14/16	02/12/16										
60% Design		180	02/16/16	10/24/16										
M1H20D-060S	Bridge H-7(Cole Slough Truss) 60% Bridge Design, P/S	137	02/16/16	08/26/16										
M1H20D-060R	Bridge H-7(Cole Slough Truss) 60% Bridge Design, Authority R/A	30	08/29/16	10/10/16										
M1H20D-060AGN	Bridge H-7(Cole Slough Truss) 60% Bridge Design, 3rd Party R/A	30	08/29/16	09/27/16										
M1H20D-060IND	Bridge H-7(Cole Slough Truss) 60% Bridge Design, Independent Check	40	08/29/16	10/24/16										
M1H20D-060CMNT	Bridge H-7(Cole Slough Truss) 60% Bridge Design, Comments Resolution	10	10/11/16	10/24/16										
90% Design		117	10/25/16	04/05/17										
M1H20D-090S	Bridge H-7(Cole Slough Truss) 90% Bridge Design, P/S	70	10/25/16	02/07/17										
M1H20D-090R	Bridge H-7(Cole Slough Truss) 90% Bridge Design, Authority R/A	30	02/08/17	03/22/17										
M1H20D-090AGN	Bridge H-7(Cole Slough Truss) 90% Bridge Design, 3rd Party R/A	30	02/08/17	03/09/17										
M1H20D-090CMNT	Bridge H-7(Cole Slough Truss) 90% Bridge Design, Comments Resolution	10	03/23/17	04/05/17										
RFC		50	04/06/17	06/15/17										
M1H20D-100S	Bridge H-7(Cole Slough Truss) RFC Bridge Design-P/S	35	04/06/17	05/24/17										
M1H20D-100R	Bridge H-7(Cole Slough Truss) RFC Bridge Design, Authority R/A	15	05/25/17	06/15/17										

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish					
					2015	2016	2017	2018	2019
M1H20D-100A	Bridge H-7(Cole Slough Truss) RFC Bridge Design-Approved	0		06/15/17			◆		
Dutch John Cut H-10		484	09/21/15	07/27/17					
Geotech		157	11/13/15	06/29/16					
M1H24D-GEO060F	Bridge H-10 (Dutch John Cut Box & Truss) Geotech, Field Testing & Lab work	35	11/13/15	01/06/16					
M1H24D-GEO060	Bridge H-10 (Dutch John Cut Box & Truss) Geotech, P/S and R/A DFR	50	01/07/16	03/18/16					
M1H24D-GEO100	Bridge H-10 (Dutch John Cut Box & Truss) Geotech, P/S and R/A FFR	72	03/21/16	06/29/16					
Type Selection		135	09/21/15	03/25/16					
M1H24D-030S	Bridge H-10 (Dutch John Cut Box & Truss) Type Selection Report, P/S	77	09/21/15	01/12/16					
M1H24D-030R	Bridge H-10 (Dutch John Cut Box & Truss) Type Selection Report, Authority R/A	20	01/13/16	02/10/16					
M1H24D-030AGN	Bridge H-10 (Dutch John Cut Box & Truss) Type Selection Report, 3rd Party R/A	20	01/13/16	02/01/16					
M1H24D-030CMN	Bridge H-10 (Dutch John Cut Box & Truss) Type Selection Report, Comments ...	10	02/11/16	02/25/16					
M1H24D-030TYPE	Bridge H-10 (Dutch John Cut Box & Truss) Type Selection Report, Meeting and...	21	02/26/16	03/25/16					
60% Design		183	03/28/16	12/07/16					
M1H24D-060S	Bridge H-10 (Dutch John Cut Box & Truss) 60% Bridge Design, P/S	137	03/28/16	10/07/16					
M1H24D-060R	Bridge H-10 (Dutch John Cut Box & Truss) 60% Bridge Design, Authority R/A	30	10/10/16	11/21/16					
M1H24D-060AGN	Bridge H-10 (Dutch John Cut Box & Truss) 60% Bridge Design, 3rd Party R/A	30	10/10/16	11/08/16					
M1H24D-060IND	Bridge H-10 (Dutch John Cut Box & Truss) 60% Bridge Design, Independent C...	40	10/10/16	12/07/16					
M1H24D-060CMNT	Bridge H-10 (Dutch John Cut Box & Truss) 60% Bridge Design, Comments Res...	10	11/22/16	12/07/16					
90% Design		114	12/08/16	05/16/17					
M1H24D-090S	Bridge H-10 (Dutch John Cut Box & Truss) 90% Bridge Design, P/S	70	12/08/16	03/21/17					
M1H24D-090R	Bridge H-10 (Dutch John Cut Box & Truss) 90% Bridge Design, Authority R/A	30	03/22/17	05/02/17					
M1H24D-090AGN	Bridge H-10 (Dutch John Cut Box & Truss) 90% Bridge Design, 3rd Party R/A	30	03/22/17	04/20/17					
M1H24D-090CMNT	Bridge H-10 (Dutch John Cut Box & Truss) 90% Bridge Design, Comments Res...	10	05/03/17	05/16/17					
RFC		50	05/17/17	07/27/17					
M1H24D-100S	Bridge H-10 (Dutch John Cut Box & Truss) RFC Bridge Design-P/S	35	05/17/17	07/06/17					
M1H24D-100R	Bridge H-10 (Dutch John Cut Box & Truss) RFC Bridge Design, Authority R/A	15	07/07/17	07/27/17					
M1H24D-100A	Bridge H-10 (Dutch John Cut Box & Truss) RFC Bridge Design-Approved	0		07/27/17			◆		
BNSF H-2		484	11/02/15	09/07/17					
Geotech		177	12/01/15	08/11/16					
M1H04D-GEO060F	Bridge H-2(BNSF Straddle), Geotech, Field Testing & Lab work	55	12/01/15	02/19/16					
M1H04D-GEO060	Bridge H-2(BNSF Straddle), Geotech, P/S and R/A DFR	50	02/22/16	04/29/16					
M1H04D-GEO100	Bridge H-2(BNSF Straddle), Geotech, P/S and R/A FFR	72	05/02/16	08/11/16					
Type Selection		134	11/02/15	05/05/16					
M1H04D-030S	Bridge H-2(BNSF Straddle), Type Selection Report, P/S	77	11/02/15	02/24/16					
M1H04D-030R	Bridge H-2(BNSF Straddle), Type Selection Report, Authority R/A	20	02/25/16	03/23/16					
M1H04D-030AGN	Bridge H-2(BNSF Straddle), Type Selection Report, 3rd Party R/A	20	02/25/16	03/15/16					
M1H04D-030CMN	Bridge H-2(BNSF Straddle), Type Selection Report, Comments Resolution	10	03/24/16	04/06/16					
M1H04D-030TYPE	Bridge H-2(BNSF Straddle), Type Selection Report, Meeting and Approval	21	04/07/16	05/05/16					
BNSF Design Package		303	05/06/16	07/04/17					
M1H04D-030BNSI	Bridge H-2(BNSF Straddle), BNSF Design Package, P/S	20	05/06/16	06/03/16					
M1H04D-030BNSI	Bridge H-2(BNSF Straddle), BNSF Design Package, BNSF R/A	45	06/06/16	08/08/16					
M1H04D-030CPUC	Bridge H-2(BNSF Straddle), BNSF Design Package, CPUC R/A	330	08/09/16	07/04/17					
60% Design		175	06/06/16	02/03/17					
M1H04D-060S	Bridge H-2(BNSF Straddle), 60% Bridge Design, P/S	117	06/06/16	11/18/16					
M1H04D-060R	Bridge H-2(BNSF Straddle), 60% Bridge Design, Authority R/A	30	11/21/16	01/05/17					
M1H04D-060AGN	Bridge H-2(BNSF Straddle), 60% Bridge Design, 3rd Party R/A	30	11/21/16	12/20/16					
M1H04D-060IND	Bridge H-2(BNSF Straddle), 60% Bridge Design, Independent Check	50	11/21/16	02/03/17					



Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish					
					2015		2016		2017
	M1H04D-060CMNT	Bridge H-2(BNSF Straddle), 60% Bridge Design, Comments Resolution	10	01/06/17	01/20/17				
	90% Design		112	01/23/17	06/27/17				
	M1H04D-090S	Bridge H-2(BNSF Straddle), 90% Bridge Design, P/S	70	01/23/17	05/01/17				
	M1H04D-090R	Bridge H-2(BNSF Straddle), 90% Bridge Design, Authority R/A	30	05/02/17	06/13/17				
	M1H04D-090AGN	Bridge H-2(BNSF Straddle), 90% Bridge Design, 3rd Party R/A	30	05/02/17	05/31/17				
	M1H04D-090CMNT	Bridge H-2(BNSF Straddle), 90% Bridge Design, Comments Resolution	10	06/14/17	06/27/17				
	RFC		50	06/28/17	09/07/17				
	M1H04D-100S	Bridge H-2(BNSF Straddle), RFC Bridge Design-P/S	35	06/28/17	08/16/17				
	M1H04D-100R	Bridge H-2(BNSF Straddle), RFC Bridge Design, Authority R/A	15	08/17/17	09/07/17				
	M1H04D-100A	Bridge H-2(BNSF Straddle), RFC Bridge Design, Approved	0		09/07/17				
	Grade Separation Structures		485	07/01/15	05/09/17				
	E. Elkhorn (1250+51)		408	07/01/15	01/20/17				
	Geotech		147	10/01/15	05/03/16				
	M1H11D-GEO060F	E. Elkhorn Geotech, Field Testing & Lab work	25	10/01/15	11/05/15				
	M1H11D-GEO060	E. Elkhorn Geotech, P/S and R/A DFR	50	11/06/15	01/21/16				
	M1H11D-GEO100	E. Elkhorn Geotech, P/S and R/A FFR	72	01/22/16	05/03/16				
	Type Selection		118	07/01/15	12/11/15				
	M1H11D-030S	E. Elkhorn Type Selection Report, P/S	62	07/01/15	09/28/15				
	M1H11D-030R	E. Elkhorn Type Selection Report, Authority R/A	20	09/29/15	10/27/15				
	M1H11D-030AGN	E. Elkhorn Type Selection Report, 3rd Party R/A	20	09/29/15	10/18/15				
	M1H11D-030CMN	E. Elkhorn Type Selection Report, Comments Resolution	10	10/28/15	11/10/15				
	M1H11D-030TYPE	E. Elkhorn Type Selection Report, Meeting and Approval	21	11/11/15	12/11/15				
	60% Design		122	12/14/15	05/31/16				
	M1H11D-060S	E. Elkhorn 60% Bridge Design, P/S	77	12/14/15	04/04/16				
	M1H11D-060R	E. Elkhorn 60% Bridge Design, Authority R/A	30	04/05/16	05/16/16				
	M1H11D-060AGN	E. Elkhorn 60% Bridge Design, 3rd Party R/A	30	04/05/16	05/04/16				
	M1H11D-060IND	E. Elkhorn 60% Bridge Design, Independent Check	30	04/05/16	05/16/16				
	M1H11D-060CMNT	E. Elkhorn 60% Bridge Design, Comments Resolution	10	05/17/16	05/31/16				
	90% Design		112	06/01/16	11/03/16				
	M1H11D-090S	E. Elkhorn 90% Bridge Design, P/S	70	06/01/16	09/08/16				
	M1H11D-090R	E. Elkhorn 90% Bridge Design, Authority R/A	30	09/09/16	10/20/16				
	M1H11D-090AGN	E. Elkhorn 90% Bridge Design, 3rd Party R/A	30	09/09/16	10/08/16				
	M1H11D-090CMNT	E. Elkhorn 90% Bridge Design, Comments Resolution	10	10/21/16	11/03/16				
	RFC		50	11/04/16	01/20/17				
	M1H11D-100S	E. Elkhorn RFC Bridge Design-P/S	35	11/04/16	12/28/16				
	M1H11D-100R	E. Elkhorn RFC Bridge Design, Authority R/A	15	12/29/16	01/20/17				
	M1H11D-100A	E. Elkhorn RFC Bridge Design, Approved	0		01/20/17				
	S. Fowler (1289+38)		408	08/10/15	03/01/17				
	Geotech		147	10/16/15	05/17/16				
	M1H13D-GEO060F	S. Fowler Geotech, Field Testing & Lab work	25	10/16/15	11/19/15				
	M1H13D-GEO060	S. Fowler Geotech, P/S and R/A DFR	50	11/20/15	02/04/16				
	M1H13D-GEO100	S. Fowler Geotech, P/S and R/A FFR	72	02/05/16	05/17/16				
	Type Selection		120	08/10/15	01/22/16				
	M1H13D-030S	S. Fowler Type Selection Report, P/S	62	08/10/15	11/05/15				
	M1H13D-030R	S. Fowler Type Selection Report, Authority R/A	20	11/06/15	12/07/15				
	M1H13D-030AGN	S. Fowler Type Selection Report, 3rd Party R/A	20	11/06/15	11/25/15				
	M1H13D-030CMN	S. Fowler Type Selection Report, Comments Resolution	10	12/08/15	12/21/15				

 Remaining Level of Effort
 Actual Work
 Remaining Work
 Critical Remaining Work
 Milestone



**California High-Speed Rail Program
Construction Package 2-3
RFP No.: 13-57**

 Remaining Level of Effort
 Actual Work
 Remaining Work
 Critical Remaining Work
 Milestone



Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish					
					2015	2016	2017	2018	2019
	M1M01D-090S	E. Lincoln, 90% Bridge Design, P/S	70	08/08/16	11/15/16				
	M1M01D-090R	E. Lincoln, 90% Bridge Design, Authority R/A	30	11/16/16	12/30/16				
	M1M01D-090AGN	E. Lincoln, 90% Bridge Design, 3rd Party R/A	30	11/16/16	12/15/16				
	M1M01D-090CMNT	E. Lincoln, 90% Bridge Design, Comments Resolution	10	01/03/17	01/17/17				
	RFC		50	01/18/17	03/29/17				
	M1M01D-100S	E. Lincoln, RFC Bridge Design-P/S	35	01/18/17	03/08/17				
	M1M01D-100R	E. Lincoln, RFC Bridge Design, Authority R/A	15	03/09/17	03/29/17				
	M1M01D-100A	E. Lincoln, RFC Bridge Design, Approved	0		03/29/17				
	E. South Ave. (739+08)		427	09/21/15	05/09/17				
	Geotech		147	12/08/15	07/07/16				
	M1M06D-GEO060F	E. South, Geotech, Field Testing & Lab work	25	12/08/15	01/13/16				
	M1M06D-GEO06C	E. South, Geotech, P/S and R/A DFR	50	01/14/16	03/25/16				
	M1M06D-GEO10C	E. South, Geotech, P/S and R/A FFR	72	03/28/16	07/07/16				
	Type Selection		120	09/21/15	03/04/16				
	M1M06D-030S	E. South, Type Selection Report, P/S	62	09/21/15	12/18/15				
	M1M06D-030R	E. South, Type Selection Report, Authority R/A	20	12/21/15	01/20/16				
	M1M06D-030AGN	E. South, Type Selection Report, 3rd Party R/A	20	12/21/15	01/09/16				
	M1M06D-030CMN	E. South, Type Selection Report, Comments Resolution	10	01/21/16	02/03/16				
	M1M06D-030TYPE	E. South, Type Selection Report, Meeting and Approval	21	02/04/16	03/04/16				
	BNSF Design Package		302	03/07/16	05/02/17				
	M1M06D-030BNS	E. South, BNSF Design Package, P/S	20	03/07/16	04/01/16				
	M1M06D-030BNS	E. South, BNSF Design Package, BNSF R/A	45	04/04/16	06/06/16				
	M1M06D-030CPUC	E. South, BNSF Design Package, CPUC R/A	330	06/07/16	05/02/17				
	60% Design		120	04/04/16	09/16/16				
	M1M06D-060S	E. South, 60% Bridge Design, P/S	77	04/04/16	07/21/16				
	M1M06D-060R	E. South, 60% Bridge Design, Authority R/A	30	07/22/16	09/01/16				
	M1M06D-060AGN	E. South, 60% Bridge Design, 3rd Party R/A	30	07/22/16	08/20/16				
	M1M06D-060IND	E. South, 60% Bridge Design, Independent Check	30	07/22/16	09/01/16				
	M1M06D-060CMNT	E. South, 60% Bridge Design, Comments Resolution	10	09/02/16	09/16/16				
	90% Design		117	09/19/16	02/28/17				
	M1M06D-090S	E. South, 90% Bridge Design, P/S	70	09/19/16	12/29/16				
	M1M06D-090R	E. South, 90% Bridge Design, Authority R/A	30	12/30/16	02/13/17				
	M1M06D-090AGN	E. South, 90% Bridge Design, 3rd Party R/A	30	12/30/16	01/28/17				
	M1M06D-090CMNT	E. South, 90% Bridge Design, Comments Resolution	10	02/14/17	02/28/17				
	RFC		50	03/01/17	05/09/17				
	M1M06D-100S	E. South, RFC Bridge Design-P/S	35	03/01/17	04/18/17				
	M1M06D-100R	E. South, RFC Bridge Design, Authority R/A	15	04/19/17	05/09/17				
	M1M06D-100A	E. South, RFC Bridge Design, Approved	0		05/09/17				
	E. Floral Ave. (898+70)		428	07/01/15	02/17/17				
	Geotech		147	10/01/15	05/03/16				
	M1M11D-GEO060F	E. Floral, Geotech, Field Testing & Lab work	25	10/01/15	11/05/15				
	M1M11D-GEO06C	E. Floral, Geotech, P/S and R/A DFR	50	11/06/15	01/21/16				
	M1M11D-GEO10C	E. Floral, Geotech, P/S and R/A FFR	72	01/22/16	05/03/16				
	Type Selection		118	07/01/15	12/11/15				
	M1M11D-030S	E. Floral, Type Selection Report, P/S	62	07/01/15	09/28/15				
	M1M11D-030R	E. Floral, Type Selection Report, Authority R/A	20	09/29/15	10/27/15				
	M1M11D-030AGN	E. Floral, Type Selection Report, 3rd Party R/A	20	09/29/15	10/18/15				

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish					
					2015	2016	2017	2018	2019
M1M11D-030CMN	E. Floral, Type Selection Report, Comments Resolution	10	10/28/15	11/10/15					
M1M11D-030TYPE	E. Floral, Type Selection Report, Meeting and Approval	21	11/11/15	12/11/15					
BNSF Design Package		305	12/14/15	02/10/17					
M1M11D-030BNS	E. Floral, BNSF Design Package, P/S	20	12/14/15	01/12/16					
M1M11D-030BNS	E. Floral, BNSF Design Package, BNSF R/A	45	01/13/16	03/17/16					
M1M11D-030CPUC	E. Floral, BNSF Design Package, CPUC R/A	330	03/18/16	02/10/17					
60% Design		120	01/13/16	06/28/16					
M1M11D-060S	E. Floral, 60% Bridge Design, P/S	77	01/13/16	05/02/16					
M1M11D-060R	E. Floral, 60% Bridge Design, Authority R/A	30	05/03/16	06/14/16					
M1M11D-060AGN	E. Floral, 60% Bridge Design, 3rd Party R/A	30	05/03/16	06/01/16					
M1M11D-060IND	E. Floral, 60% Bridge Design, Independent Check	30	05/03/16	06/14/16					
M1M11D-060CMNT	E. Floral, 60% Bridge Design, Comments Resolution	10	06/15/16	06/28/16					
90% Design		115	06/29/16	12/06/16					
M1M11D-090S	E. Floral, 90% Bridge Design, P/S	70	06/29/16	10/06/16					
M1M11D-090R	E. Floral, 90% Bridge Design, Authority R/A	30	10/07/16	11/18/16					
M1M11D-090AGN	E. Floral, 90% Bridge Design, 3rd Party R/A	30	10/07/16	11/05/16					
M1M11D-090CMNT	E. Floral, 90% Bridge Design, Comments Resolution	10	11/21/16	12/06/16					
RFC		50	12/07/16	02/17/17					
M1M11D-100S	E. Floral, RFC Bridge Design-P/S	35	12/07/16	01/27/17					
M1M11D-100R	E. Floral, RFC Bridge Design, Authority R/A	15	01/30/17	02/17/17					
M1M11D-100A	E. Floral, RFC Bridge Design, Approved	0		02/17/17					
E. Manning Ave. (792+00)		428	08/10/15	03/29/17					
Geotech		147	10/16/15	05/17/16					
M1M08D-GEO060F	E. Manning, Geotech, Field Testing & Lab work	25	10/16/15	11/19/15					
M1M08D-GEO06C	E. Manning, Geotech, P/S and R/A DFR	50	11/20/15	02/04/16					
M1M08D-GEO10C	E. Manning, Geotech, P/S and R/A FFR	72	02/05/16	05/17/16					
Type Selection		120	08/10/15	01/22/16					
M1M08D-030S	E. Manning, Type Selection Report, P/S	62	08/10/15	11/05/15					
M1M08D-030R	E. Manning, Type Selection Report, Authority R/A	20	11/06/15	12/07/15					
M1M08D-030AGN	E. Manning, Type Selection Report, 3rd Party R/A	20	11/06/15	11/25/15					
M1M08D-030CMN	E. Manning, Type Selection Report, Comments Resolution	10	12/08/15	12/21/15					
M1M08D-030TYPE	E. Manning, Type Selection Report, Meeting and Approval	21	12/22/15	01/22/16					
BNSF Design Package		302	01/25/16	03/21/17					
M1M08D-030BNS	E. Manning, BNSF Design Package, P/S	20	01/25/16	02/22/16					
M1M08D-030BNS	E. Manning, BNSF Design Package, BNSF R/A	45	02/23/16	04/25/16					
M1M08D-030CPUC	E. Manning, BNSF Design Package, CPUC R/A	330	04/26/16	03/21/17					
60% Design		119	02/23/16	08/05/16					
M1M08D-060S	E. Manning, 60% Bridge Design, P/S	77	02/23/16	06/09/16					
M1M08D-060R	E. Manning, 60% Bridge Design, Authority R/A	30	06/10/16	07/22/16					
M1M08D-060AGN	E. Manning, 60% Bridge Design, 3rd Party R/A	30	06/10/16	07/09/16					
M1M08D-060IND	E. Manning, 60% Bridge Design, Independent Check	30	06/10/16	07/22/16					
M1M08D-060CMNT	E. Manning, 60% Bridge Design, Comments Resolution	10	07/25/16	08/05/16					
90% Design		117	08/08/16	01/17/17					
M1M08D-090S	E. Manning, 90% Bridge Design, P/S	70	08/08/16	11/15/16					
M1M08D-090R	E. Manning, 90% Bridge Design, Authority R/A	30	11/16/16	12/30/16					
M1M08D-090AGN	E. Manning, 90% Bridge Design, 3rd Party R/A	30	11/16/16	12/15/16					
M1M08D-090CMNT	E. Manning, 90% Bridge Design, Comments Resolution	10	01/03/17	01/17/17					

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016	2017	2018	2019
RFC			50	01/18/17	03/29/17						
M1M08D-100S		E. Manning, RFC Bridge Design-P/S	35	01/18/17	03/08/17						
M1M08D-100R		E. Manning, RFC Bridge Design, Authority R/A	15	03/09/17	03/29/17						
M1M08D-100A		E. Manning, RFC Bridge Design, Approved	0		03/29/17						
S. Clovis (1224+91)			408	07/01/15	01/20/17						
Geotech			147	10/01/15	05/03/16						
M1H10D-GEO060F		S. Clovis, Geotech, Field Testing & Lab work	25	10/01/15	11/05/15						
M1H10D-GEO060		S. Clovis, Geotech, P/S and R/A DFR	50	11/06/15	01/21/16						
M1H10D-GEO100		S. Clovis, Geotech, P/S and R/A FFR	72	01/22/16	05/03/16						
Type Selection			118	07/01/15	12/11/15						
M1H10D-030S		S. Clovis, Type Selection Report, P/S	62	07/01/15	09/28/15						
M1H10D-030R		S. Clovis, Type Selection Report, Authority R/A	20	09/29/15	10/27/15						
M1H10D-030AGN		S. Clovis, Type Selection Report, 3rd Party R/A	20	09/29/15	10/18/15						
M1H10D-030CMN		S. Clovis, Type Selection Report, Comments Resolution	10	10/28/15	11/10/15						
M1H10D-030TYPE		S. Clovis, Type Selection Report, Meeting and Approval	21	11/11/15	12/11/15						
60% Design			122	12/14/15	05/31/16						
M1H10D-060S		S. Clovis, 60% Bridge Design, P/S	77	12/14/15	04/04/16						
M1H10D-060R		S. Clovis, 60% Bridge Design, Authority R/A	30	04/05/16	05/16/16						
M1H10D-060AGN		S. Clovis, 60% Bridge Design, 3rd Party R/A	30	04/05/16	05/04/16						
M1H10D-060IND		S. Clovis, 60% Bridge Design, Independent Check	30	04/05/16	05/16/16						
M1H10D-060CMNT		S. Clovis, 60% Bridge Design, Comments Resolution	10	05/17/16	05/31/16						
90% Design			112	06/01/16	11/03/16						
M1H10D-090S		S. Clovis, 90% Bridge Design, P/S	70	06/01/16	09/08/16						
M1H10D-090R		S. Clovis, 90% Bridge Design, Authority R/A	30	09/09/16	10/20/16						
M1H10D-090AGN		S. Clovis, 90% Bridge Design, 3rd Party R/A	30	09/09/16	10/08/16						
M1H10D-090CMNT		S. Clovis, 90% Bridge Design, Comments Resolution	10	10/21/16	11/03/16						
RFC			50	11/04/16	01/20/17						
M1H10D-100S		S. Clovis, RFC Bridge Design-P/S	35	11/04/16	12/28/16						
M1H10D-100R		S. Clovis, RFC Bridge Design, Authority R/A	15	12/29/16	01/20/17						
M1H10D-100A		S. Clovis, RFC Bridge Design, Approved	0		01/20/17						
Nebraska Ave. (955+95)			439	08/10/15	04/13/17						
Geotech			147	10/16/15	05/17/16						
M1M14D-GEO060F		Nebraska, Geotech, Field Testing & Lab work	25	10/16/15	11/19/15						
M1M14D-GEO06C		Nebraska, Geotech, P/S and R/A DFR	50	11/20/15	02/04/16						
M1M14D-GEO10C		Nebraska, Geotech, P/S and R/A FFR	72	02/05/16	05/17/16						
Type Selection			114	08/10/15	01/14/16						
M1M14D-030S		Nebraska, Type Selection Report, P/S	62	08/10/15	11/05/15						
M1M14D-030R		Nebraska, Type Selection Report, Authority R/A	20	11/06/15	12/07/15						
M1M14D-030AGN		Nebraska, Type Selection Report, 3rd Party R/A	20	11/06/15	11/25/15						
M1M14D-030CMN		Nebraska, Type Selection Report, Comments Resolution	10	12/08/15	12/21/15						
M1M14D-030TYPE		Nebraska, Type Selection Report, Meeting and Approval	16	12/22/15	01/14/16						
BNSF Design Package			325	01/15/16	04/13/17						
M1M14D-030BNS		Nebraska, BNSF Design Package, P/S	20	01/15/16	02/12/16						
M1M14D-030BNS		Nebraska, BNSF Design Package, BNSF R/A	45	02/16/16	04/18/16						
M1M14D-030CPUC		Nebraska, BNSF Design Package, CPUC R/A	360	04/19/16	04/13/17						
60% Design			119	02/16/16	07/29/16						
M1M14D-060S		Nebraska, 60% Bridge Design, P/S	77	02/16/16	06/02/16						

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016	2017	2018	2019	
		M1M14D-060R	Nebraska, 60% Bridge Design, Authority R/A	30	06/03/16	07/15/16						
		M1M14D-060AGN	Nebraska, 60% Bridge Design, 3rd Party R/A	30	06/03/16	07/02/16						
		M1M14D-060IND	Nebraska, 60% Bridge Design, Independent Check	30	06/03/16	07/15/16						
		M1M14D-060CMNT	Nebraska, 60% Bridge Design, Comments Resolution	10	07/18/16	07/29/16						
		90% Design			116	08/01/16	01/09/17					
		M1M14D-090S	Nebraska, 90% Bridge Design, P/S	70	08/01/16	11/07/16						
		M1M14D-090R	Nebraska, 90% Bridge Design, Authority R/A	30	11/08/16	12/22/16						
		M1M14D-090AGN	Nebraska, 90% Bridge Design, 3rd Party R/A	30	11/08/16	12/07/16						
		M1M14D-090CMNT	Nebraska, 90% Bridge Design, Comments Resolution	10	12/26/16	01/09/17						
		RFC			50	01/10/17	03/22/17					
		M1M14D-100S	Nebraska, RFC Bridge Design-P/S	35	01/10/17	03/01/17						
		M1M14D-100R	Nebraska, RFC Bridge Design, Authority R/A	15	03/02/17	03/22/17						
		M1M14D-100A	Nebraska, RFC Bridge Design, Approved	0		03/22/17						
		E. Mountain Ave. (1007+80)			427	09/21/15	05/09/17					
		Geotech			147	10/30/15	06/01/16					
		M1M16D-GEO060F	E. Mountain, Geotech, Field Testing & Lab work	25	10/30/15	12/07/15						
		M1M16D-GEO060C	E. Mountain, Geotech, P/S and R/A DFR	50	12/08/15	02/19/16						
		M1M16D-GEO100C	E. Mountain, Geotech, P/S and R/A FFR	72	02/22/16	06/01/16						
		Type Selection			120	09/21/15	03/04/16					
		M1M16D-030S	E. Mountain, Type Selection Report, P/S	62	09/21/15	12/18/15						
		M1M16D-030R	E. Mountain, Type Selection Report, Authority R/A	20	12/21/15	01/20/16						
		M1M16D-030AGN	E. Mountain, Type Selection Report, 3rd Party R/A	20	12/21/15	01/09/16						
		M1M16D-030CMN	E. Mountain, Type Selection Report, Comments Resolution	10	01/21/16	02/03/16						
		M1M16D-030TYPE	E. Mountain, Type Selection Report, Meeting and Approval	21	02/04/16	03/04/16						
		BNSF Design Package			302	03/07/16	05/02/17					
		M1M16D-030BNS	E. Mountain, BNSF Design Package, P/S	20	03/07/16	04/01/16						
		M1M16D-030BNS	E. Mountain, BNSF Design Package, BNSF R/A	45	04/04/16	06/06/16						
		M1M16D-030CPUC	E. Mountain, BNSF Design Package, CPUC R/A	330	06/07/16	05/02/17						
		60% Design			120	04/04/16	09/16/16					
		M1M16D-060S	E. Mountain, 60% Bridge Design, P/S	77	04/04/16	07/21/16						
		M1M16D-060R	E. Mountain, 60% Bridge Design, Authority R/A	30	07/22/16	09/01/16						
		M1M16D-060AGN	E. Mountain, 60% Bridge Design, 3rd Party R/A	30	07/22/16	08/20/16						
		M1M16D-060IND	E. Mountain, 60% Bridge Design, Independent Check	30	07/22/16	09/01/16						
		M1M16D-060CMNT	E. Mountain, 60% Bridge Design, Comments Resolution	10	09/02/16	09/16/16						
		90% Design			117	09/19/16	02/28/17					
		M1M16D-090S	E. Mountain, 90% Bridge Design, P/S	70	09/19/16	12/29/16						
		M1M16D-090R	E. Mountain, 90% Bridge Design, Authority R/A	30	12/30/16	02/13/17						
		M1M16D-090AGN	E. Mountain, 90% Bridge Design, 3rd Party R/A	30	12/30/16	01/28/17						
		M1M16D-090CMNT	E. Mountain, 90% Bridge Design, Comments Resolution	10	02/14/17	02/28/17						
		RFC			50	03/01/17	05/09/17					
		M1M16D-100S	E. Mountain, RFC Bridge Design-P/S	35	03/01/17	04/18/17						
		M1M16D-100R	E. Mountain, RFC Bridge Design, Authority R/A	15	04/19/17	05/09/17						
M1M16D-100A	E. Mountain, RFC Bridge Design, Approved	0		05/09/17								
Railroad & CPUC Submittals			99	02/10/17	07/05/17							
M1M03D-030CPUCA	E. Adams, CPUC Approval	0		02/10/17								
M1M11D-030CPUCA	E. Floral, CPUC Approval	0		02/10/17								
M1H26D-030CPUCA	Bridge H-11(9th Ave Box Girder), CPUC Approval	0		03/03/17								



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California High-Speed Rail Program
Construction Package 2-3
RFP No.: 13-57

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish					
					2015		2016		2017
	M1H03D-030CPUCA	Bridge H-1(Conejo Box Girder), CPUC Approval	0	03/03/17					◆
	M1M08D-030CPUCA	E. Manning, CPUC Approval	0	03/21/17					◆
	M1M01D-030CPUCA	E. Lincoln, CPUC Approval	0	03/21/17					◆
	M1H28D-030CPUCA	Bridge H-12(Cairo PC Box Beam), CPUC Approval	0	04/11/17					◆
	M1M14D-030CPUCA	Nebraska, CPUC Approval	0	04/13/17					◆
	M1M06D-030CPUCA	E. South, CPUC Approval	0	05/02/17					◆
	M1M16D-030CPUCA	E. Mountain, CPUC Approval	0	05/02/17					◆
	M1H07D-030CPUCA	Bridge H-4(S.Peach Ave, Box Girder), CPUC Approval	0	05/23/17					◆
	M1H04D-030CPUCA	Bridge H-2(BNSF Straddle), CPUC Approval	0	07/05/17					◆
	ROW		235	10/25/15	06/16/16				
	ROWG18	ROW Group 18 Proposed Parcels Availability (ROD Base Date+485)	0	10/25/15			◆		
	ROWG01	ROW Group 1 Proposed Parcels Availability (ROD Base Date+515)	0	11/24/15			◆		
	ROWG19	ROW Group 19 Proposed Parcels Availability (ROD Base Date+532)	0	12/11/15			◆		
	ROWG19A	ROW Group 19 Proposed Parcels Availability (ROD Base Date+532) (H-14)	0	12/11/15			◆		
	ROWG02	ROW Group 2 Proposed Parcels Availability (ROD Base Date+535)	0	12/14/15			◆		
	ROWG07	ROW Group 7 Proposed Parcels Availability (ROD Base Date+535)	0	12/14/15			◆		
	ROWG09	ROW Group 9 Proposed Parcels Availability (ROD Base Date+535)	0	12/14/15			◆		
	ROWG03	ROW Group 3 Proposed Parcels Availability (ROD Base Date+545)	0	12/24/15			◆		
	ROWG05	ROW Group 5 Proposed Parcels Availability (ROD Base Date+545)	0	12/24/15			◆		
	ROWG04	ROW Group 4 Proposed Parcels Availability (ROD Base Date+545)	0	12/24/15			◆		
	ROWG06	ROW Group 6 Proposed Parcels Availability (ROD Base Date+545)	0	12/24/15			◆		
	ROWG08	ROW Group 8 Proposed Parcels Availability (ROD Base Date+545)	0	12/24/15			◆		
	ROWG10	ROW Group 10 Proposed Parcels Availability (ROD Base Date+595)	0	02/12/16			◆		
	ROWG11	ROW Group 11 Proposed Parcels Availability (ROD Base Date+595)	0	02/12/16			◆		
	ROWG13	ROW Group 13 Proposed Parcels Availability (ROD Base Date+595) (Conejo)	0	02/12/16			◆		
	ROWG12	ROW Group 12 Proposed Parcels Availability (ROD Base Date+615)	0	03/03/16			◆		
	ROWG13RR	ROW Group 13 RR Availability (ROD Base Date+622)	0	03/10/16			◆		
	ROWG14	ROW Group 14 Proposed Parcels Availability (ROD Base Date+625)	0	03/13/16			◆		
	ROWG15	ROW Group 15 Proposed Parcels Availability (ROD Base Date+625) (Elkhorn)	0	03/13/16			◆		
	ROWG17	ROW Group 17 Proposed Parcels Availability (ROD Base Date+625) (E. Davis)	0	03/13/16			◆		
	ROWG16	ROW Group 16 Proposed Parcels Availability (ROD Base Date+635) (Fowler)	0	03/23/16			◆		
	ROWG11RR	ROW Group 11 RR Availability (ROD Base Date+652) (Nebraska)	0	04/09/16			◆		
	ROWG12RR	ROW Group 12 RR Availability (ROD Base Date+652) (E. Mountain)	0	04/09/16			◆		
	ROWG04RR	ROW Group 4 RR Availability (ROD Base Date+712) (Adams)	0	06/08/16			◆		
	ROWG05RR	ROW Group 5 RR Availability (ROD Base Date+712)	0	06/08/16			◆		
	ROWG06RR	ROW Group 6 RR Availability (ROD Base Date+712) (E. South)	0	06/08/16			◆		
	ROWG07RR	ROW Group 7 RR Availability (ROD Base Date+712)	0	06/08/16			◆		
	ROWG08RR	ROW Group 8 RR Availability (ROD Base Date+712) (E. Manning)	0	06/08/16			◆		
	ROWG09RR	ROW Group 9 RR Availability (ROD Base Date+712)	0	06/08/16			◆		
	ROWG01RR	ROW Group 1 RR Availability (ROD Base Date+720)	0	06/16/16			◆		
	ROWG02RR	ROW Group 2 RR Availability (ROD Base Date+720) (Lincoln)	0	06/16/16			◆		
	ROWG03RR	ROW Group 3 RR Availability (ROD Base Date+720)	0	06/16/16			◆		
	ROWG10RR	ROW Group 10 RR Availability (ROD Base Date+720) (E. Floral)	0	06/16/16			◆		
	ROWG14RR	ROW Group 14 RR Availability (ROD Base Date+720) (Conejo & S. Clovis)	0	06/16/16			◆		
	ROWG14RRA	ROW Group 14 RR Availability (ROD Base Date+720) (Conejo & S. Clovis)	0	06/16/16			◆		
	Construction		640	11/15/16	04/29/19				

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016		2017		2018		2019			
		Alignment F1 (STA 2065+00 to 2305+00)		167	11/15/16	07/05/17											
		Grubb and Demolition		22	11/15/16	12/16/16											
		M1F01C-1000	F1-587+30 > F1-627+07, Clear & Grubb	22	11/15/16	12/16/16											
		RCBC & Irrigation Relocation		15	11/28/16	12/16/16											
		M1F01BCA100	F1-587+30 > F1-627+07, Prep & Set Precast Box Culverts	15	11/28/16	12/16/16											
		Track		165	11/17/16	07/05/17											
		M1F01TE-110	F1-587+30 > F1-627+07, HST Track Common Fill	22	11/17/16	12/20/16											
		M1F01TE-120	F1-587+30 > F1-627+07, HST Track Common Fill, Surcharge wait	180	12/21/16	06/18/17											
		M1F01TE-130	F1-587+30 > F1-627+07, HST Track Subgrade	8	06/19/17	06/28/17											
		M1F01TE-140	F1-587+30 > F1-627+07, HST Track AC	4	06/29/17	07/05/17											
		Alignment M-1		640	11/15/16	04/29/19											
		E. Lincoln Ave. (630+00 to 640+00)		379	09/20/17	03/04/19											
		Grubb and Demolition		5	09/20/17	09/26/17											
		M1M01C-1000	E. Lincoln, Clear & Grubb	5	09/20/17	09/26/17											
		Utilities		15	09/27/17	10/17/17											
		M1M01U-1010	E. Lincoln, Move Utilities	15	09/27/17	10/17/17											
		Structure (3 Spans)		123	10/18/17	04/06/18											
		M1M01S-1020	E. Lincoln, Foundations	26	10/18/17	11/27/17											
		M1M01S-0001	E. Lincoln, Start Structure	0	10/18/17												
		M1M01S-1040	E. Lincoln, F/R/P Columns	40	11/16/17	01/17/18											
		M1M01S-1050	E. Lincoln, F/R/P Bent Caps	40	12/18/17	02/14/18											
		M1M01S-1080	E. Lincoln, Cure Concrete for Precast	21	02/15/18	03/07/18											
		M1M01S-1110	E. Lincoln, Place Precast Girders	4	03/08/18	03/13/18											
		M1M01S-1120	E. Lincoln, Deck Rebar/Forms & Pour	18	03/14/18	04/06/18											
		Roadway		51	03/29/18	06/08/18											
		M1M01S-1010	E. Lincoln, Build Embankments to Final Grade	38	03/29/18	05/21/18											
		M1M01S-1130	E. Lincoln, Deck & Road Pavements	4	05/22/18	05/25/18											
		M1M01S-1100	E. Lincoln, Hydroseed Embankments	5	05/22/18	05/29/18											
		M1M01S-1140	E. Lincoln, Landscape/Permanent BMPS/Fencing	11	05/24/18	06/08/18											
		M1M01S-9000	E. Lincoln, Open for Traffic & Ready for Track work	0		06/08/18											
		Track		144	08/15/18	03/04/19											
		M1M01TE-110	E. Lincoln (M-630+26 > M-640+00), HST Track Common Fill	5	08/15/18	08/21/18											
		M1M01TE-120	E. Lincoln (M-630+26 > M-640+00), HST Track Common Fill, Surcharge Wait	180	08/22/18	02/17/19											
		M1M01TE-130	E. Lincoln (M-630+26 > M-640+00), HST Track Subgrade	2	02/19/19	02/20/19											
		M1M01TE-140	E. Lincoln (M-630+26 > M-640+00), HST Track AC	1	03/04/19	03/04/19											
		E. Lincoln Ave. to E. Adams (640+00 to 680+00)		199	11/15/16	08/18/17											
		Grubb and Demolition		20	11/15/16	12/14/16											
		M1M02C-1000	M-640+00 > M-680+00, Clear & Grubb	15	11/15/16	12/07/16											
		M1M02C-110	M-640+00 > M-680+00, Demolition	10	12/01/16	12/14/16											
		Access Road		10	12/08/16	12/21/16											
		M1M02AR100	M-660+00 > M-668+00 , Access Road, West Side	5	12/08/16	12/14/16											
		M1M02AR110	M-660+00 > M-668+00 , Access Road, West Side	5	12/15/16	12/21/16											
		RCBC & Irrigation Relocation		10	01/23/17	02/03/17											
		M1M02BCA100	M-640+00 > M-680+00, Prep & Set Precast Box Culverts	10	01/23/17	02/03/17											
		Track		173	12/21/16	08/18/17											
		M1M02TE-110	M-640+00 > M-680+00, HST Track Common Fill	15	12/21/16	01/12/17											
		M1M02TE-120	M-640+00 > M-680+00, HST Track Common Fill, Surcharge Wait	180	02/04/17	08/02/17											
		M1M02TE-130	M-640+00 > M-680+00, HST Track Subgrade	8	08/03/17	08/14/17											

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish	2015		2016		2017		2018		2019	
	M1M02TE-140	M-640+00 > M-680+00, HST Track AC	4	08/15/17	08/18/17					I				
	E. Adams Ave. (680+00 to 690+00)		295	12/08/16	01/24/18									
	Grubb and Demolition		5	12/08/16	12/14/16									
	M1M03C-1000	E. Adams, Clear & Grubb	5	12/08/16	12/14/16				I					
	Utilities		60	12/15/16	03/14/17									
	M1M03U-1010	E. Adams, Move Utilities (PG&E Gas Lines)	60	12/15/16	03/14/17				I					
	Structure (2 Spans)		82	02/21/17	06/14/17									
	M1M03S-1020	E. Adams, Foundations	20	02/21/17	03/20/17				I					
	M1M03S-0001	E. Adams, Start Structure	0	02/21/17					I					
	M1M03S-1040	E. Adams, F/R/P Columns	30	03/07/17	04/17/17				I					
	M1M03S-1050	E. Adams, F/R/P Bent Caps	30	03/21/17	05/01/17				I					
	M1M03S-1080	E. Adams, Cure Concrete for Precast	21	05/02/17	05/22/17				I					
	M1M03S-1110	E. Adams, Place Precast Girders	3	05/23/17	05/25/17				I					
	M1M03S-1120	E. Adams, Deck Rebar/Forms & Pour	13	05/26/17	06/14/17				I					
	Roadway		45	07/18/17	09/19/17									
	M1M03S-1090	E. Adams, Build Embankments to Final Grade	30	07/18/17	08/28/17				I					
	M1M03S-1130	E. Adams, Deck & Road Pavements	4	08/29/17	09/01/17				I					
	M1M03S-1100	E. Adams, Hydroseed Embankments	5	08/29/17	09/05/17				I					
	M1M03S-1140	E. Adams, Landscape/Permanent BMPS/Fencing	13	08/31/17	09/19/17				I					
	M1M03S-9000	E. Adams, Open for Traffic & Ready for Track work	0		09/19/17				I					
	Track		136	07/19/17	01/24/18									
	M1M03TE-110	E. Adams (M-680+00 > M-690+00), HST Track Common Fill	5	07/19/17	07/25/17				I					
	M1M03TE-120	E. Adams (M-680+00 > M-690+00), HST Track Common Fill, Surcharge Wait	180	07/26/17	01/21/18				I					
	M1M03TE-130	E. Adams (M-680+00 > M-690+00), HST Track Subgrade	2	01/22/18	01/23/18				I					
	M1M03TE-140	E. Adams (M-680+00 > M-690+00), HST Track AC	1	01/24/18	01/24/18				I					
	E. Adams to BNSF Re-Align (690+00 to 710+00)		185	11/15/16	07/31/17									
	Grubb and Demolition		6	11/15/16	11/22/16									
	M1M04C-1000	M-690+00 > M-710+00, Clear & Grubb	6	11/15/16	11/22/16				I					
	Track		142	01/13/17	07/31/17									
	M1M04TE-110	M-690+00 > M-710+00, HST Track Common Fill	7	01/13/17	01/24/17				I					
	M1M04TE-120	M-690+00 > M-710+00, HST Track Common Fill, Surcharge Wait	180	01/25/17	07/23/17				I					
	M1M04TE-130	M-690+00 > M-710+00, HST Track Subgrade	4	07/24/17	07/27/17				I					
	M1M04TE-140	M-690+00 > M-710+00, HST Track AC	2	07/28/17	07/31/17				I					
	BNSF Re-Align to E. South Ave(710+00 to 735+00)		175	04/10/17	12/08/17									
	Grubb and Demolition		9	04/10/17	04/20/17									
	M1M05C-1000	M-710+00 > M-735+00, Clear & Grubb	9	04/10/17	04/20/17				I					
	RCBC & Irrigation Relocation		15	04/12/17	05/02/17									
	M1M05BCA-100	M-710+00 > M-735+00, Prep/Place Precast Culvert and Canal/Ditch Work	15	04/12/17	05/02/17				I					
	Track		149	05/16/17	12/08/17									
	M1M05TE-110	M-710+00 > M-735+00, HST Track Common Fill	12	05/16/17	06/01/17				I					
	M1M05TE-120	M-710+00 > M-735+00, HST Track Common Fill, Surcharge Wait	180	06/02/17	11/28/17				I					
	M1M05TE-130	M-710+00 > M-735+00, HST Track Subgrade	5	11/29/17	12/05/17				I					
	M1M05TE-140	M-710+00 > M-735+00, HST Track AC	3	12/06/17	12/08/17				I					
	E. South Ave. (735+00 to 745+00)		231	06/11/18	04/29/19									
	Grubb and Demolition		5	06/11/18	06/15/18									
	M1M06C-1000	E. South, Clear & Grubb	5	06/11/18	06/15/18					I				
	Utilities		15	06/18/18	07/09/18									
	M1M06U-1010	E. South, Move Utilities	15	06/18/18	07/09/18						I			

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016		2017		2018		2019	
		Structure (2 Spans)		73	07/10/18	10/18/18									
		M1M06S-1020	E. South, Foundations	20	07/10/18	08/06/18									
		M1M06S-0001	E. South, Start Structure	0	07/10/18										
		M1M06S-1040	E. South, F/R/P Columns	30	07/17/18	08/27/18									
		M1M06S-1050	E. South, F/R/P Bent Caps	30	07/24/18	09/04/18									
		M1M06S-1080	E. South, Cure Concrete for Precast	21	09/05/18	09/25/18									
		M1M06S-1110	E. South, Place Precast Girders	3	09/26/18	09/28/18									
		M1M06S-1120	E. South, Deck Rebar/Forms & Pour	14	10/01/18	10/18/18									
		Roadway		45	09/05/18	11/06/18									
		M1M06S-1090	E. South, Build Embankments to Final Grade	20	09/05/18	10/02/18									
		M1M06S-1100	E. South, Hydroseed Embankments	5	10/03/18	10/09/18									
		M1M06S-1130	E. South, Deck & Road Pavements	4	10/19/18	10/24/18									
		M1M06S-1140	E. South, Landscape/Permanent BMPS/Fencing	11	10/23/18	11/06/18									
		M1M06S-9000	E. South, Open for Traffic & Ready for Track work	0		11/06/18									
		RCBC & Irrigation Relocation		18	09/05/18	09/28/18									
		M1M06BC-100	Irrigation Box Culvert, Prep/Place Box Culvert and Canal/Ditch work	18	09/05/18	09/28/18									
		Track		137	10/19/18	04/29/19									
		M1M06TE-110	E. South (M-735+00 > M-745+00), HST Track Common Fill	5	10/19/18	10/25/18									
		M1M06TE-120	E. South (M-735+00 > M-745+00), HST Track Common Fill, Surcharge Wait	180	10/26/18	04/23/19									
		M1M06TE-130	E. South (M-735+00 > M-745+00), HST Track Subgrade	2	04/24/19	04/25/19									
		M1M06TE-140	E. South (M-735+00 > M-745+00), HST Track AC	2	04/26/19	04/29/19									
		E. South Ave to E. Manning (745+00 to 785+00)		183	04/10/17	12/20/17									
		Grubb and Demolition		5	04/10/17	04/14/17									
		M1M07C-1000	M-745+00 to M-785+00, Clear & Grubb	5	04/10/17	04/14/17									
		RCBC & Irrigation Relocation		15	04/17/17	05/05/17									
		M1M07BCA-100	M-745+00 to M-785+00, Prep/Place Precast Culvert and Canal/Ditch Work	15	04/17/17	05/05/17									
		Track		144	06/02/17	12/20/17									
		M1M07TE-110	M-745+00 to M-785+00, HST Track Common Fill	4	06/02/17	06/07/17									
		M1M07TE-120	M-745+00 to M-785+00, HST Track Common Fill, Surcharge Wait	180	06/08/17	12/04/17									
		M1M07TE-130	M-745+00 to M-785+00, HST Track Subgrade	8	12/05/17	12/14/17									
		M1M07TE-140	M-745+00 to M-785+00, HST Track AC	4	12/15/17	12/20/17									
		E. Manning Ave. (785+00 to 795+00)		334	11/13/17	02/21/19									
		Grubb and Demolition		5	11/13/17	11/17/17									
		M1M08C-1000	E. Manning, Clear & Grubb	5	11/13/17	11/17/17									
		Utilities		15	11/20/17	12/12/17									
		M1M08U-1010	E. Manning, Move Utilities	15	11/20/17	12/12/17									
		Structure (2 Spans)		105	12/13/17	05/08/18									
		M1M08S-1020	E. Manning, Foundations	20	12/13/17	01/11/18									
		M1M08S-0001	E. Manning, Start Structure	0	12/13/17										
		M1M08S-1040	E. Manning, F/R/P Columns	30	01/12/18	02/26/18									
M1M08S-1050	E. Manning, F/R/P Bent Caps	30	02/12/18	03/26/18											
M1M08S-1080	E. Manning, Cure Concrete for Precast	21	03/27/18	04/16/18											
M1M08S-1110	E. Manning, Place Precast Girders	3	04/17/18	04/19/18											
M1M08S-1120	E. Manning, Deck Rebar/Forms & Pour	13	04/20/18	05/08/18											
Access Road		150	05/09/18	12/12/18											
M1M08S-1130	E. Manning, Deck & Road Pavements	8	05/09/18	05/18/18											
M1M08S-1140	E. Manning, Landscape/Permanent BMPS/Fencing	21	05/15/18	06/13/18											

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish											
					2015		2016		2017		2018		2019		
	M1M08S-1090	E. Manning, Build Embankments to Final Grade	18	11/07/18	12/05/18										
	M1M08S-1100	E. Manning, Hydroseed Embankments	5	12/06/18	12/12/18										
	M1M08S-9000	E. Manning, Open for Traffic & Ready for Track work	0		12/12/18										
	Track		132	08/22/18	02/21/19										
	M1M08TE-110	E. Manning (M-785+00 > M-795+00), HST Track Common Fill	1	08/22/18	08/22/18										
	M1M08TE-120	E. Manning (M-785+00 > M-795+00), HST Track Common Fill, Surcharge Wait	180	08/23/18	02/18/19										
	M1M08TE-130	E. Manning (M-785+00 > M-795+00), ,HST Track Subgrade	2	02/19/19	02/20/19										
	M1M08TE-140	E. Manning (M-785+00 > M-795+00), HST Track AC	1	02/21/19	02/21/19										
	E. Manning to BNSF Re-Align (795+00 to 872+00)		194	05/15/17	02/08/18										
	Grubb and Demolition		17	05/15/17	06/07/17										
	M1M09C-1000	M-795+00 to M-872+00, Clear & Grubb,	17	05/15/17	06/07/17										
	Track		176	06/08/17	02/08/18										
	M1M09TE-110	M-795+00 to M-872+00, HST Track Common Fill	23	06/08/17	07/11/17										
	M1M09TE-120	M-795+00 to M-872+00, HST Track Common Fill, Surcharge Wait	180	07/12/17	01/07/18										
	M1M09TE-130	M-795+00 to M-872+00, HST Track Subgrade	15	01/08/18	01/29/18										
	M1M09TE-140	M-795+00 to M-872+00, HST Track AC	8	01/30/18	02/08/18										
	BNSF Re-Align to E. Floral (872+00 to 895+00)		191	11/15/16	08/08/17										
	Grubb and Demolition		3	11/15/16	11/17/16										
	M1M10C-1000	M-872+00 to M-895+00, Clear & Grubb	3	11/15/16	11/17/16										
	Track		140	01/25/17	08/08/17										
	M1M10TE-110	M-872+00 to M-895+00, HST Track Common Fill	5	01/25/17	01/31/17										
	M1M10TE-120	M-872+00 to M-895+00, HST Track Common Fill, Surcharge Wait	180	02/01/17	07/30/17										
	M1M10TE-130	M-872+00 to M-895+00, HST Track Subgrade	5	07/31/17	08/04/17										
	M1M10TE-140	M-872+00 to M-895+00, HST Track AC	2	08/07/17	08/08/17										
	E. Floral Ave. (895+00 to 905+00)		238	02/21/17	01/18/18										
	Grubb and Demolition		5	03/14/17	03/20/17										
	M1M11C-1000	E. Floral, Clear & Grubb	5	03/14/17	03/20/17										
	Utilities		60	06/05/17	08/28/17										
	M1M11U-1010	E. Floral, Move Utilities	60	06/05/17	08/28/17										
	Structure (2 Span)		103	02/21/17	07/13/17										
	M1M11S-0001	E. Floral, Start Structure	0	02/21/17											
	M1M11S-1020	E. Floral, Foundations	20	03/21/17	04/17/17										
	M1M11S-1040	E. Floral, F/R/P Columns	30	04/04/17	05/15/17										
	M1M11S-1050	E. Floral, F/R/P Bent Caps	30	04/18/17	05/30/17										
	M1M11S-1080	E. Floral, Cure Concrete for Precast	21	05/31/17	06/20/17										
	M1M11S-1110	E. Floral, Place Precast Girders	3	06/21/17	06/23/17										
	M1M11S-1120	E. Floral, Deck Rebar/Forms & Pour	13	06/26/17	07/13/17										
	Access Road		52	08/29/17	11/09/17										
	M1M11S-1090	E. Floral, Build Embankments to Final Grade	34	08/29/17	10/16/17										
	M1M11S-1130	E. Floral, Deck & Road Pavements	6	10/17/17	10/24/17										
	M1M11S-1100	E. Floral, Hydroseed Embankments	5	10/17/17	10/23/17										
	M1M11S-1140	E. Floral, Landscape/Permanent BMPS/Fencing	15	10/20/17	11/09/17										
	M1M11S-9000	E. Floral, Open for Traffic & Ready for Track work	0		11/09/17										
	Track		135	07/14/17	01/18/18										
	M1M11TE-110	E. Floral (M-895+00 to M-905+00), HST Track Common Fill	3	07/14/17	07/18/17										
	M1M11TE-120	E. Floral (M-895+00 to M-905+00), HST Track Common Fill, Surcharge Wait	180	07/19/17	01/14/18										
	M1M11TE-130	E. Floral (M-895+00 to M-905+00), HST Track Subgrade	2	01/16/18	01/17/18										

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish										
					2015		2016		2017		2018		2019	
M1M11TE-140	E. Floral (M-895+00 to M-905+00), HST Track AC	1	01/18/18	01/18/18										
E. Floral to BNSF Re-Align (905+00 to 935+00)		174	12/27/16	08/25/17										
Grubb and Demolition		9	12/27/16	01/09/17										
M1M12C-1000	M-905+00 to M-935+00, Clear & Grubb	9	12/27/16	01/09/17										
RCBC & Irrigation Relocation		15	01/10/17	01/31/17										
M1M12BCA-100	M-905+00 to M-935+00, Prep/Place Precast Culverts and Canal/Ditch Work	15	01/10/17	01/31/17										
Track		148	02/01/17	08/25/17										
M1M12TE-110	M-905+00 to M-935+00, HST Track Common Fill	11	02/01/17	02/15/17										
M1M12TE-120	M-905+00 to M-935+00, HST Track Common Fill, Surcharge Wait	180	02/16/17	08/14/17										
M1M12TE-130	M-905+00 to M-935+00, HST Track Subgrade	6	08/15/17	08/22/17										
M1M12TE-140	M-905+00 to M-935+00, HST Track AC	3	08/23/17	08/25/17										
BNSF Re-Align to Nebraska (935+00 to 950+00)		153	10/05/17	05/07/18										
Grubb and Demolition		6	10/05/17	10/12/17										
M1M13C-1000	M-935+00 to M-950+00, Clear & Grubb	6	10/05/17	10/12/17										
RCBC & Irrigation Relocation		10	10/09/17	10/20/17										
M1M13BCA-100	M-935+00 to M-950+00, Prep/Place Precast Culvert and Canal/Ditch Work	10	10/09/17	10/20/17										
Track		141	10/23/17	05/07/18										
M1M13TE-110	M-935+00 to M-950+00, HST Track Common Fill	8	10/23/17	11/01/17										
M1M13TE-120	M-935+00 to M-950+00, HST Track Common Fill, Surcharge Wait	180	11/02/17	04/30/18										
M1M13TE-130	M-935+00 to M-950+00, HST Track Subgrade	3	05/01/18	05/03/18										
M1M13TE-140	M-935+00 to M-950+00, HST Track AC	2	05/04/18	05/07/18										
Nebraska Ave. (950+00 to 960+00)		367	10/05/17	03/01/19										
Grubb and Demolition		5	10/05/17	10/11/17										
M1M14C-1000	Nebraska, Clear & Grubb	5	10/05/17	10/11/17										
Utilities		15	10/12/17	11/01/17										
M1M14U-1010	Nebraska, Move Utilities	15	10/12/17	11/01/17										
Structure (2 Spans)		94	11/02/17	03/13/18										
M1M14S-1020	Nebraska, Foundations	20	11/02/17	12/04/17										
M1M14S-0001	Nebraska, Start Structure	0	11/02/17											
M1M14S-1040	Nebraska, F/R/P Columns	30	12/12/17	01/25/18										
M1M14S-1050	Nebraska, F/R/P Bent Caps	30	12/19/17	02/01/18										
M1M14S-1080	Nebraska, Cure Concrete for Precast	21	02/02/18	02/22/18										
M1M14S-1110	Nebraska, Place Precast Girders	3	02/23/18	02/27/18										
M1M14S-1120	Nebraska, Deck Rebar/Forms & Pour	10	02/28/18	03/13/18										
Access Road		60	02/02/18	04/27/18										
M1M14S-1090	Nebraska, Build Embankments to Final Grade	38	02/02/18	03/28/18										
M1M14S-1130	Nebraska, Deck & Road Pavements	9	03/14/18	03/26/18										
M1M14S-1140	Nebraska, Landscape/Permanent BMPS/Fencing	22	03/29/18	04/27/18										
M1M14S-1100	Nebraska, Hydroseed Embankments	5	03/29/18	04/04/18										
M1M14S-9000	Nebraska, Open for Traffic & Ready for Track work	0		04/27/18										
RCBC & Irrigation Relocation		15	03/29/18	04/18/18										
M1M14BCA-100	M-951+50, Prep/Place Precast Culvert and Canal/Ditch Work	15	03/29/18	04/18/18										
Track		137	08/23/18	03/01/19										
M1M14TE-110	Nebraska (M-950+00 to M-960+00), HST Track Common Fill	6	08/23/18	08/30/18										
M1M14TE-120	Nebraska (M-950+00 to M-960+00)HST Track Common Fill, Surcharge Wait	180	08/31/18	02/26/19										
M1M14TE-130	Nebraska (M-950+00 to M-960+00)HST Track Subgrade	2	02/27/19	02/28/19										
M1M14TE-140	Nebraska (M-950+00 to M-960+00)HST Track AC	1	03/01/19	03/01/19										
Nebraska to E. Mountain (960+00 to 1005+00)		169	10/17/17	06/08/18										

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016	2017	2018	2019
		Grubb and Demolition	15	10/17/17	11/06/17						
		M1M15C-1000 M-960+00 to M-1005+00, Clear & Grubb	15	10/17/17	11/06/17						
		RCBC & Irrigation Relocation	10	10/19/17	11/01/17						
		M1M15BC-100 M-960+00 to M-1005+00, Prep/Place Precast Culverts and Canal/Ditch Work	10	10/19/17	11/01/17						
		Track	157	11/02/17	06/08/18						
		M1M15TE-110 M-960+00 to M-1005+00, HST Track Common Fill	20	11/02/17	12/04/17						
		M1M15TE-120 M-960+00 to M-1005+00, HST Track Common Fill, Surcharge wait	180	12/05/17	06/02/18						
		M1M15TE-130 M-960+00 to M-1005+00, HST Track Subgrade	3	06/04/18	06/06/18						
		M1M15TE-140 M-960+00 to M-1005+00, HST Track AC	2	06/07/18	06/08/18						
		E. Mountain Ave. (1005+00 to 1015+00)	342	12/05/17	03/27/19						
		Grubb and Demolition	5	12/05/17	12/11/17						
		M1M16C-1000 E. Mountain, Clear & Grubb	5	12/05/17	12/11/17						
		Utilities	15	12/12/17	01/03/18						
		M1M16U-1010 E. Mountain, Move Utilities	15	12/12/17	01/03/18						
		Structure (2 Span)	90	01/04/18	05/09/18						
		M1M16S-1020 E. Mountain, Foundations	20	01/04/18	02/01/18						
		M1M16S-0001 E. Mountain, Start Structure	0	01/04/18							
		M1M16S-1040 E. Mountain, F/R/P Columns	30	02/09/18	03/23/18						
		M1M16S-1050 E. Mountain, F/R/P Bent Caps	30	02/16/18	03/30/18						
		M1M16S-1080 E. Mountain, Cure Concrete for Precast	21	03/31/18	04/20/18						
		M1M16S-1110 E. Mountain, Place Precast Girders	3	04/23/18	04/25/18						
		M1M16S-1120 E. Mountain, Deck Rebar/Forms & Pour	10	04/26/18	05/09/18						
		Access Road	81	05/10/18	09/04/18						
		M1M16S-1130 E. Mountain, Deck & Road Pavements	11	05/10/18	05/24/18						
		M1M16S-1140 E. Mountain,Landscape/Permanent BMPS/Fencing	28	05/18/18	06/27/18						
		M1M16S-1090 E. Mountain, Build Embankments to Final Grade	68	05/22/18	08/27/18						
		M1M16S-1100 E. Mountain, Hydroseed Embankments	5	08/28/18	09/04/18						
		M1M16S-9000 E. Mountain, Open for Traffic & Ready for Track work	0		09/04/18						
		RCBC & Irrigation Relocation	15	08/28/18	09/18/18						
		M1M16BCA-100 E. Mountain (M-1005+00 to M-1015+00), Prep/Place Precast Culvert and Canal/...	15	08/28/18	09/18/18						
		Track	136	09/19/18	03/27/19						
		M1M16TE-110 E. Mountain (M-1005+00 to M-1015+00), HST Track Common Fill	5	09/19/18	09/25/18						
		M1M16TE-120 E. Mountain (M-1005+00 to M-1015+00), HST Track Common Fill, Surcharge wait	180	09/26/18	03/24/19						
		M1M16TE-130 E. Mountain (M-1005+00 to M-1015+00), HST Track Subgrade	2	03/25/19	03/26/19						
		M1M16TE-140 E. Mountain (M-1005+00 to M-1015+00), HST Track AC	1	03/27/19	03/27/19						
		E. Mountain to BNSF Re-Align (1015+00 to 1062+00)	213	10/05/17	07/30/18						
		Grubb and Demolition	10	10/05/17	10/18/17						
		M1M17C-1000 M-1015+00 to M-1062+00, Clear & Grubb	10	10/05/17	10/18/17						
		Track	170	12/05/17	07/30/18						
		M1M17TE-110 M-1015+00 to M-1062+00, HST Track Common Fill	26	12/05/17	01/11/18						
		M1M17TE-120 M-1015+00 to M-1062+00, HST Track Common Fill, Surcharge Wait	180	01/12/18	07/10/18						
		M1M17TE-130 M-1015+00 to M-1062+00, HST Track Subgrade	9	07/11/18	07/23/18						
		M1M17TE-140 M-1015+00 to M-1062+00, HST Track AC	5	07/24/18	07/30/18						
		Alignment H	632	11/15/16	04/17/19						
		End BNSF (M-1062+00 to H-1085+00)	153	02/14/17	09/14/17						
		Grubb and Demolition	11	02/14/17	03/01/17						
		M1H01C-1000 M-1062+00 to H-1085+00, Clear & Grubb	11	02/14/17	03/01/17						
		Track	151	02/16/17	09/14/17						

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish	2015		2016		2017		2018		2019	
	M1H01TE-110	M-1062+00 to H-1085+00, HST Track Common Fill	14	02/16/17	03/08/17									
	M1H01TE-120	M-1062+00 to H-1085+00, HST Track Common Fill, Surcharge Wait	180	03/09/17	09/04/17									
	M1H01TE-130	M-1062+00 to H-1085+00, HST Track Subgrade	5	09/05/17	09/11/17									
	M1H01TE-140	M-1062+00 to H-1085+00, HST Track AC	3	09/12/17	09/14/17									
Conejo (H-1085+00 to H-1119+00)		341	11/15/16	03/06/18										
Grubb and Demolition		11	11/15/16	12/01/16										
	M1H02C-1000	H-1085+00 to H-1119+00, Clear & Grubb	11	11/15/16	12/01/16									
RCBC & Irrigation Relocation		10	11/17/16	12/02/16										
	M1H02BCA-100	H-1085+00 to H-1119+00, Prep/Place Precast Culvert and Canal/Ditch Work	10	11/17/16	12/02/16									
Track		223	04/28/17	03/06/18										
	M1H02TE-110	H-1085+00 to H-1119+00, HST Track Common Fill	82	04/28/17	08/23/17									
	M1H02TE-120	H-1085+00 to H-1119+00, HST Track Common Fill, Surcharge Wait	180	08/24/17	02/19/18									
	M1H02TE-130	H-1085+00 to H-1119+00, HST Track Subgrade	7	02/20/18	02/28/18									
	M1H02TE-140	H-1085+00 to H-1119+00, HST Track AC	4	03/01/18	03/06/18									
Bridge H1(Conejo Box Girder) (H-1119+00 to H-1120+00)		133	04/07/17	10/13/17										
Grubb and Demolition		2	04/07/17	04/10/17										
	M1H03C-1000	Bridge H-1(Conejo Box Girder), Clear & Grubb	2	04/07/17	04/10/17									
Structure (2 Spans)		131	04/11/17	10/13/17										
	M1H03S-1010	Bridge H-1(Conejo Box Girder), Foundation	30	04/11/17	05/22/17									
	M1H03S-0001	Bridge H-1(Conejo Box Girder), Start Structure	0	04/11/17										
	M1H03S-1030	Bridge H-1(Conejo Box Girder), Wing Walls	14	05/23/17	06/12/17									
	M1H03S-1020	Bridge H-1(Conejo Box Girder), Abutments	16	06/13/17	07/05/17									
	M1H03S-1040	Bridge H-1(Conejo Box Girder), F/R/P Columns	20	07/06/17	08/02/17									
	M1H03S-1110	Bridge H-1(Conejo Box Girder), F/R/P Box Girders	51	08/03/17	10/13/17									
Bridge H2(BNSF Straddle) (H-1120+00 to H-1134+00)		239	03/07/18	02/15/19										
Grubb and Demolition		2	03/26/18	03/27/18										
	M1H04C-1000	Bridge H-2(BNSF Straddle), Clear & Grubb	2	03/26/18	03/27/18									
Structure		239	03/07/18	02/15/19										
	M1H04S-0010	Bridge H-2(BNSF Straddle), Foundation Testing	15	03/07/18	03/27/18									
	M1H04S-0001	Bridge H-2(BNSF Straddle), Start Structure	0	03/28/18										
	M1H04S-1010	Bridge H-2(BNSF Straddle), Foundations	71	03/28/18	07/06/18									
	M1H04S-1040	Bridge H-2(BNSF Straddle), F/R/P Columns	115	05/15/18	10/25/18									
	M1H04S-1050	Bridge H-2(BNSF Straddle), F/R/P Edge Beams	115	06/20/18	12/04/18									
	M1H04S-1110	Bridge H-2(BNSF Straddle), Place Precast	115	07/26/18	01/10/19									
	M1H04S-1120	Bridge H-2(BNSF Straddle), F/R/P Decks	115	08/30/18	02/15/19									
Bridge H3(BNSF Box Girder) (H-1134+00 to H-1137+00)		239	05/19/17	05/02/18										
Grubb and Demolition		2	05/19/17	05/22/17										
	M1H05C-1000	Bridge H-3(BNSF Box Girder), Clear & Grubb	2	05/19/17	05/22/17									
Structure (3 Spans)		237	05/23/17	05/02/18										
	M1H05S-1010	Bridge H-3(BNSF Box Girder), Foundations	40	05/23/17	07/19/17									
	M1H05S-0001	Bridge H-3(BNSF Box Girder), Start Structure	0	05/23/17										
	M1H05S-1030	Bridge H-3(BNSF Box Girder), Wing Walls	14	07/20/17	08/08/17									
	M1H05S-1020	Bridge H-3(BNSF Box Girder), Abutments	8	12/18/17	12/28/17									
	M1H05S-1040	Bridge H-3(BNSF Box Girder), F/R/P Columns	30	12/29/17	02/12/18									
	M1H05S-1110	Bridge H-3(BNSF Box Girder), F/R/P Box Girders	76	01/16/18	05/02/18									
Conejo (H-1137+00 to H-1149+40)		178	12/27/17	08/31/18										
Grubb and Demolition		11	12/27/17	01/11/18										

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish	2015		2016		2017		2018		2019	
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Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish												
					2015		2016		2017		2018		2019			
	M1H10S-1140	E. Clovis, Landscape/Permanent BMPS/Fencing	16	05/15/17	06/06/17											
	M1H10S-9000	E. Clovis, Open for Traffic & Ready for Track work	0		06/06/17											
	Track		146	08/24/17	03/15/18											
	M1H10TE-110	E. Clovis (H-1220+00 to H-1240+00), HST Track Common Fill	8	08/24/17	09/05/17											
	M1H10TE-120	E. Clovis (H-1220+00 to H-1240+00), HST Track Common Fill, Surcharge Wait	180	09/06/17	03/04/18											
	M1H10TE-130	E. Clovis (H-1220+00 to H-1240+00), HST Track Subgrade	4	03/05/18	03/08/18											
	M1H10TE-140	E. Clovis (H-1220+00 to H-1240+00), HST Track AC	5	03/09/18	03/15/18											
	H-1240+00 to H-1255+00 (Elkhorn)		309	01/13/17	03/21/18											
	Grubb and Demolition		83	01/13/17	05/09/17											
	M1H11C-1000	E. Elkhorn, Clear & Grubb	5	01/13/17	01/20/17											
	M1H11C-1010	E. Elkhorn, Move Utilities (Primary are gas lines)	20	04/12/17	05/09/17											
	Structure (1 span)		71	01/23/17	05/01/17											
	M1H11S-1020	E. Elkhorn, Foundations	14	01/23/17	02/09/17											
	M1H11S-0001	E. Elkhorn, Start Structure	0	01/23/17												
	M1H11S-1040	E. Elkhorn, F/R/P Columns	20	01/30/17	02/27/17											
	M1H11S-1050	E. Elkhorn, F/R/P Bent Caps	20	02/28/17	03/27/17											
	M1H11S-1080	E. Elkhorn, Cure Concrete for Precast	21	03/28/17	04/17/17											
	M1H11S-1110	E. Elkhorn, Place Precast Girders	2	04/18/17	04/19/17											
	M1H11S-1120	E. Elkhorn, Deck Rebar/Forms & Pour	8	04/20/17	05/01/17											
	Access Road		67	05/10/17	08/14/17											
	M1H11S-1090	E. Elkhorn, Build Embankments to Final Grade	47	05/10/17	07/17/17											
	M1H11S-1100	E. Elkhorn, Hydroseed Embankments	5	07/18/17	07/24/17											
	M1H11S-1130	E. Elkhorn, Deck & Roads Pavements	5	07/25/17	07/31/17											
	M1H11S-1140	E. Elkhorn, Landscape/Permanent BMPS/Fencing	13	07/27/17	08/14/17											
	M1H11S-9000	E. Elkhorn, Open for Traffic & Ready for Track work	0		08/14/17											
	Track		141	09/06/17	03/21/18											
	M1H11TE-110	E. Elkhorn (H-1240+00 to H-1255+00), HST Track Common Fill	8	09/06/17	09/15/17											
	M1H11TE-120	E. Elkhorn (H-1240+00 to H-1255+00), HST Track Common Fill, Surcharge Wait	180	09/16/17	03/14/18											
	M1H11TE-130	E. Elkhorn (H-1240+00 to H-1255+00), HST Track Subgrade	3	03/15/18	03/19/18											
	M1H11TE-140	E. Elkhorn (H-1240+00 to H-1255+00), HST Track AC	2	03/20/18	03/21/18											
	H-1255+00 to H-1275+00		147	11/29/16	06/21/17											
	Grubb and Demolition		5	11/29/16	12/05/16											
	M1H12C-1000	H-1255+00 to H-1275+00, Clear & Grubb	5	11/29/16	12/05/16											
	Track		142	12/06/16	06/21/17											
	M1H12TE-110	H-1255+00 to H-1275+00, HST Track Common Fill	9	12/06/16	12/16/16											
	M1H12TE-120	H-1255+00 to H-1275+00, HST Track Common Fill, Surcharge Wait	180	12/17/16	06/14/17											
	M1H12TE-130	H-1255+00 to H-1275+00, HST Track Subgrade	3	06/15/17	06/19/17											
	M1H12TE-140	H-1255+00 to H-1275+00, HST Track AC	2	06/20/17	06/21/17											
	H-1275+00 to H-1295+00 (S. Fowler)		315	08/15/17	10/29/18											
	Grubb and Demolition		5	08/15/17	08/21/17											
M1H13C-1000	S. Fowler, Clear & Grubb,	5	08/15/17	08/21/17												
Structure (1 Span)		101	08/22/17	01/09/18												
M1H13S-0001	S. Fowler, Start Structure	0	08/22/17													
M1H13S-1020	S. Fowler, Foundations	14	09/15/17	10/04/17												
M1H13S-1040	S. Fowler, F/R/P Columns	20	09/22/17	10/19/17												
M1H13S-1050	S. Fowler, F/R/P Bent Caps	20	09/29/17	10/26/17												
M1H13S-1080	S. Fowler, Cure Concrete for Precast	21	10/27/17	11/16/17												

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish	2015		2016		2017		2018		2019	
	M1H13S-1110	S. Fowler, Place Precast Girders	2	11/17/17	11/20/17									
	M1H13S-1120	S. Fowler, Deck Rebar/Forms & Pour	8	11/21/17	01/09/18									
	Access Road		74	10/27/17	02/15/18									
	M1H13S-1090	S. Fowler, Build Embankments to Final Grade	52	10/27/17	01/16/18									
	M1H13S-1130	S. Fowler, Deck & Road Pavements	5	01/17/18	01/23/18									
	M1H13S-1100	S. Fowler, Hydroseed Embankments	5	01/17/18	01/23/18									
	M1H13S-1140	S. Fowler, Landscape/Permanent BMPS/Fencing	19	01/22/18	02/15/18									
	M1H13S-9000	S. Fowler, Open for Traffic & Ready for Track work	0		02/15/18									
	Track		145	04/10/18	10/29/18									
	M1H13TE-110	S. Fowler (H-1275+00 to H-1295+00), HST Track Common Fill	11	04/10/18	04/24/18									
	M1H13TE-120	S. Fowler (H-1275+00 to H-1295+00), HST Track Common Fill, Surcharge Wait	180	04/25/18	10/21/18									
	M1H13TE-130	S. Fowler (H-1275+00 to H-1295+00), HST Track Subgrade	4	10/22/18	10/25/18									
	M1H13TE-140	S. Fowler (H-1275+00 to H-1295+00), HST Track AC	2	10/26/18	10/29/18									
	H-1295+00 to H-1345+00			185	12/12/16	08/25/17								
	Grubb and Demolition			5	12/12/16	12/16/16								
	M1H14C-1000	H-1295+00 to H-1345+00, Clear & Grubb	5	12/12/16	12/16/16									
	Track			180	12/19/16	08/25/17								
	M1H14TE-110	H-1295+00 to H-1345+00, HST Track Common Fill	33	12/19/16	02/06/17									
	M1H14TE-120	H-1295+00 to H-1345+00, HST Track Common Fill, Surcharge Wait	180	02/07/17	08/05/17									
	M1H14TE-130	H-1295+00 to H-1345+00, HST Track Subgrade	10	08/07/17	08/18/17									
	M1H14TE-140	H-1295+00 to H-1345+00, HST Track AC	5	08/21/17	08/25/17									
	H-1345+00 to H-1355+00 (E. Davis)			295	02/16/18	04/04/19								
	Grubb and Demolition			5	02/16/18	02/23/18								
	M1H15C-1000	E. Davis, Clear & Grubb	5	02/16/18	02/23/18									
	Structure (1 Span)			75	02/26/18	06/08/18								
	M1H15S-1020	E. Davis, Foundation	14	02/26/18	03/15/18									
	M1H15S-0001	E. Davis, Start Structure	0	02/26/18										
	M1H15S-1040	E. Davis, F/R/P Columns	20	03/23/18	04/19/18									
	M1H15S-1050	E. Davis, F/R/P Bent Caps	20	04/06/18	05/03/18									
	M1H15S-1080	E. Davis, Cure Concrete for Precast	21	05/04/18	05/24/18									
	M1H15S-1110	E. Davis, Place Precast Girders	2	05/25/18	05/29/18									
	M1H15S-1120	E. Davis, Deck Rebar/Forms & Pour	8	05/30/18	06/08/18									
	Access Road			43	10/03/18	12/05/18								
	M1H15S-1090	E. Davis, Build Embankments to Final Grade	25	10/03/18	11/06/18									
	M1H15S-1130	E. Davis, Deck & Road Pavements	6	11/07/18	11/15/18									
	M1H15S-1100	E. Davis, Hydroseed Embankments	5	11/07/18	11/14/18									
	M1H15S-1140	E. Davis, Landscape/Permanent BMPS/Fencing	15	11/13/18	12/05/18									
	M1H15S-9000	E. Davis, Open for Traffic & Ready for Track work	0		12/05/18									
	Track			137	09/26/18	04/04/19								
	M1H15TE-110	E. Davis (H-1345+00 to H-1355+00), HST Track Common Fill	6	09/26/18	10/03/18									
	M1H15TE-120	E. Davis (H-1345+00 to H-1355+00), HST Track Common Fill, Surcharge Wait	180	10/04/18	04/01/19									
	M1H15TE-130	E. Davis (H-1345+00 to H-1355+00), HST Track Subgrade	2	04/02/19	04/03/19									
	M1H15TE-140	E. Davis (H-1345+00 to H-1355+00), HST Track AC	1	04/04/19	04/04/19									
	H-1355+00 to H-1438+00			210	01/31/17	11/20/17								
	Grubb and Demolition			5	01/31/17	02/06/17								
M1H16C-1000	Clear & Grubb, H-1355+00 to H-1438+00	5	01/31/17	02/06/17										
Track			205	02/07/17	11/20/17									

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016	2017	2018	2019	
		M1H16TE-110	H-1355+00 to H-1438+00, HST Track Common Fill	51	02/07/17	04/19/17						
		M1H16TE-120	H-1355+00 to H-1438+00, HST Track Common Fill, Surcharge Wait	180	04/20/17	10/16/17						
		M1H16TE-130	H-1355+00 to H-1438+00, HST Track Subgrade	16	10/17/17	11/07/17						
		M1H16TE-140	H-1355+00 to H-1438+00, HST Track AC	8	11/08/17	11/20/17						
H-1438+00 to H-1460+00			187	03/21/18	12/06/18							
Grubb and Demolition			5	03/21/18	03/27/18							
	M1H17C-1000	H-1438+00 to H-1460+00, Clear & Grubb	5	03/21/18	03/27/18							
RCBC & Irrigation Relocation			20	03/28/18	04/24/18							
	M1H17BCA-100	H-1438+00 to H-1460+00, Precast Irrigation Culverts and Canal/Ditch Work	20	03/28/18	04/24/18							
Track			162	04/25/18	12/06/18							
	M1H17TE-110	H-1438+00 to H-1460+00, HST Track Common Fill	26	04/25/18	05/31/18							
	M1H17TE-120	H-1438+00 to H-1460+00, HST Track Common Fill, Surcharge Wait	180	06/01/18	11/27/18							
	M1H17TE-130	H-1438+00 to H-1460+00, HST Track Subgrade	5	11/28/18	12/04/18							
	M1H17TE-140	H-1438+00 to H-1460+00, HST Track AC	2	12/05/18	12/06/18							
SR43 H-5(Truss)			246	04/13/17	03/22/18							
Grubb and Demolition			5	04/13/17	04/19/17							
	M1H18C-1000	Bridge H-5(SR-43 Truss) (H-1460+00 to H-1467+00), Clear & Grubb	5	04/13/17	04/19/17							
Structure (1 span)			186	07/06/17	03/22/18							
	M1H18S-1010	Bridge H-5(SR-43 Truss), Foundations	22	07/06/17	08/04/17							
	M1H18S-0001	Bridge H-5(SR-43 Truss), Start Structure	0	07/06/17								
	M1H18S-1030	Bridge H-5(SR-43 Truss), Wing Walls	28	08/07/17	09/14/17							
	M1H18S-1020	Bridge H-5(SR-43 Truss), Abutments	16	11/22/17	12/15/17							
	M1H18S-1080	Bridge H-5(SR-43 Truss), Cure Concrete	21	12/16/17	01/05/18							
	M1H18S-1110	Bridge H-5(SR-43 Truss), Set Steel Bridge	8	03/13/18	03/22/18							
Track			136	04/20/17	10/26/17							
	M1H18TE-110	Bridge H-5(SR-43 Truss) (H-1460+00 to H-1467+00), HST Track Common Fill	6	04/20/17	04/27/17							
	M1H18TE-120	Bridge H-5(SR-43 Truss) (H-1460+00 to H-1467+00), HST Track Common Fill, ...	180	04/28/17	10/24/17							
	M1H18TE-130	Bridge H-5(SR-43 Truss) (H-1460+00 to H-1467+00), HST Track Subgrade	1	10/25/17	10/25/17							
	M1H18TE-140	Bridge H-5(SR-43 Truss) (H-1460+00 to H-1467+00), HST Track AC	1	10/26/17	10/26/17							
H-1467+00 to H-1485+00			184	09/11/17	05/24/18							
Grubb and Demolition			5	09/11/17	09/15/17							
	M1H19C-1000	H-1460+00 to H-1467+00, Clear & Grubb	5	09/11/17	09/15/17							
Track			179	09/18/17	05/24/18							
	M1H19TE-110	H-1467+00 to H-1485+00, HST Track Common Fill	44	09/18/17	11/17/17							
	M1H19TE-120	H-1460+00 to H-1467+00, HST Track Common Fill, Surcharge Wait	180	11/18/17	05/16/18							
	M1H19TE-130	H-1467+00 to H-1458+00, HST Track Subgrade	4	05/17/18	05/22/18							
	M1H19TE-140	H-1467+00 to H-1485+00, HST Track AC	2	05/23/18	05/24/18							
Cole Slough H-7(Truss)			178	07/17/17	03/21/18							
Grubb and Demolition			5	07/31/17	08/04/17							
	M1H20C-1000	Bridge H-7(Cole Slough Truss) (H-1485+00 to H-1490+00), Clear & Grubb	5	07/31/17	08/04/17							
Structure			178	07/17/17	03/21/18							
	M1H20S-0010	Bridge H-7(Cole Slough Truss), Foundation Testing	15	07/17/17	08/04/17							
	M1H20S-1010	Bridge H-7(Cole Slough Truss), Foundations	22	08/07/17	09/06/17							
	M1H20S-0001	Bridge H-7(Cole Slough Truss), Start Structure	0	08/07/17								
	M1H20S-1030	Bridge H-7(Cole Slough Truss), Wing Walls	28	09/07/17	10/16/17							
	M1H20S-1020	Bridge H-7(Cole Slough Truss), Abutments	16	12/18/17	01/10/18							
	M1H20S-1080	Bridge H-7(Cole Slough Truss), Cure Concrete	21	01/11/18	01/31/18							

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish										
					2015		2016		2017		2018		2019	
M1H20S-1110	Bridge H-7(Cole Slough Truss), Set Steel Bridge	7	03/13/18	03/21/18										
H-1490+00 to H-1505+00		228	08/31/17	07/16/18										
Grubb and Demolition		5	08/31/17	09/07/17										
M1H21C-1000	H-1490+00 to H-1505+00, Clear & Grubb	5	08/31/17	09/07/17										
RCBC & Irrigation Relocation		50	09/08/17	11/17/17										
M1H21BC-100	H-1490+00 to H-1505+00, Precast Irrigation Culverts and Canal/Ditch Work	50	09/08/17	11/17/17										
Track		171	11/20/17	07/16/18										
M1H21TE-110	H-1490+00 to H-1505+00, HST Track Common Fill	34	11/20/17	01/10/18										
M1H21TE-120	H-1490+00 to H-1505+00, HST Track Common Fill, Surcharge Wait	180	01/11/18	07/09/18										
M1H21TE-130	H-1490+00 to H-1505+00, HST Track Subgrade	3	07/10/18	07/12/18										
M1H21TE-140	H-1490+00 to H-1505+00, HST Track AC	2	07/13/18	07/16/18										
Bridge H9 (Access Raod) (H-1505+00 to H-1510+00)		377	02/13/17	07/24/18										
Grubb and Demolition		5	02/13/17	02/17/17										
M1H22C-1000	Bridge H-9 (Access Road) (H-1505+00 to H-1510+00), Clear & Grubb	5	02/13/17	02/17/17										
Structure		90	02/21/17	06/27/17										
M1H22S-1020	Bridge H-9 (Access Road) ,F/R/P SOG	40	02/21/17	04/17/17										
M1H22S-0001	Bridge H-9 (Access Road) , Start Structure (Box culvert)	0	02/21/17											
M1H22S-1060	Bridge H-9 (Access Road) ,F/R/P Walls	40	03/07/17	05/01/17										
M1H22S-1070	Bridge H-9 (Access Road) ,F/R/P Roof	70	03/21/17	06/27/17										
Track		139	01/11/18	07/24/18										
M1H22TE-110	Bridge H-9 (Access Road) (H-1505+00 to H-1510+00),HST Track Common Fill	8	01/11/18	01/23/18										
M1H22TE-120	Bridge H-9 (Access Road) (H-1505+00 to H-1510+00),HST Track Common Fill, ...	180	01/24/18	07/22/18										
M1H22TE-130	Bridge H-9 (Access Road) (H-1505+00 to H-1510+00),HST Track Subgrade	1	07/23/18	07/23/18										
M1H22TE-140	Bridge H-9 (Access Road) (H-1505+00 to H-1510+00),HST Track AC	1	07/24/18	07/24/18										
H-1510+00 to H-1518+00		168	01/02/18	08/23/18										
Grubb and Demolition		5	01/02/18	01/08/18										
M1H23C-1000	H-1510+00 to H-1518+00, Clear & Grubb	5	01/02/18	01/08/18										
RCBC & Irrigation Relocation		10	01/09/18	01/23/18										
M1H23BC-100	H-1510+00 to H-1518+00, Precast Irrigation Culverts and Canal/Ditch Work	10	01/09/18	01/23/18										
Track		152	01/24/18	08/23/18										
M1H23TE-110	H-1510+00 to H-1518+00, HST Track Common Fill	20	01/24/18	02/21/18										
M1H23TE-120	H-1510+00 to H-1518+00, HST Track Common Fill, Surcharge Wait	180	02/22/18	08/20/18										
M1H23TE-130	H-1510+00 to H-1518+00, HST Track Subgrade	2	08/21/18	08/22/18										
M1H23TE-140	H-1510+00 to H-1518+00, HST Track AC	1	08/23/18	08/23/18										
Bridge H10 (Dutch John Creek) (H-1518+00 to H-1526+00)		356	09/08/17	01/18/19										
Grubb and Demolition		5	09/08/17	09/14/17										
M1H24C-1000	Bridge H-10 (Dutch John Cut Box & Truss), (H-1518+00 to H-1526+00), Clear & ...	5	09/08/17	09/14/17										
Structure (5 Spans)		351	09/15/17	01/18/19										
M1H24S-1010	Bridge H-10 (Dutch John Cut Box & Truss), Foundations	47	09/15/17	11/21/17										
M1H24S-0001	Bridge H-10 (Dutch John Cut Box & Truss), Start Structure	0	09/15/17											
M1H24S-1030	Bridge H-10 (Dutch John Cut Box & Truss), Wing Walls	28	11/22/17	01/04/18										
M1H24S-1020	Bridge H-10 (Dutch John Cut Box & Truss), Abutments	16	01/11/18	02/02/18										
M1H24S-1040	Bridge H-10 (Dutch John Cut Box & Truss), F/R/P Columns	70	02/05/18	05/14/18										
M1H24S-1050	Bridge H-10 (Dutch John Cut Box & Truss), Bent Caps	45	04/03/18	06/05/18										
M1H24S-1110	Bridge H-10 (Dutch John Cut Box & Truss), F/R/P Box Girders	76	08/21/18	12/10/18										
M1H24S-1080	Bridge H-10 (Dutch John Cut Box & Truss), Cure Concrete	21	12/11/18	12/31/18										
M1H24S-1120	Bridge H-10 (Dutch John Cut Box & Truss), Set Steel Trusses	13	01/02/19	01/18/19										
H-1526+00 to H-1540+00		297	10/17/17	12/05/18										

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016	2017	2018	2019
		Grubb and Demolition	5	10/17/17	10/23/17						
	M1H25C-1000	H-1526+00 to H-1540+00, Clear & Grubb	5	10/17/17	10/23/17						
		RCBC & Irrigation Relocation	80	10/24/17	02/21/18						
	M1H25BC-100	H-1526+00 to H-1540+00, CIP Box Culvert	80	10/24/17	02/21/18						
	M1H25BC-110	H-1526+00 to H-1540+00, Precast Irrigation Culverts and Canal/Ditch Work	10	02/07/18	02/21/18						
		Track	205	02/22/18	12/05/18						
	M1H25TE-110	H-1526+00 to H-1540+00, HST Track Common Fill	71	02/22/18	06/01/18						
	M1H25TE-120	H-1526+00 to H-1540+00, HST Track Common Fill, Surcharge Wait	180	06/02/18	11/28/18						
	M1H25TE-130	H-1526+00 to H-1540+00, HST Track Subgrade	3	11/29/18	12/03/18						
	M1H25TE-140	H-1526+00 to H-1540+00, HST Track AC	2	12/04/18	12/05/18						
		Bridge H11(9th Ave Box Girder) (H-1540+00 to H-1541+00)	157	04/04/17	11/14/17						
		Grubb and Demolition	5	04/04/17	04/10/17						
	M1H26C-1000	Bridge H-11(9th Ave Box Girder) (H-1540+00 to H-1541+00), Clear & Grubb	5	04/04/17	04/10/17						
		Structure	152	04/11/17	11/14/17						
	M1H26S-1010	Bridge H-11(9th Ave Box Girder), Foundations	22	04/11/17	05/10/17						
	M1H26S-0001	Bridge H-11(9th Ave Box Girder), Start Structure	0	04/11/17							
	M1H26S-1030	Bridge H-11(9th Ave Box Girder), Wing Walls	28	05/11/17	06/20/17						
	M1H26S-1020	Bridge H-11(9th Ave Box Girder), Abutments	16	09/15/17	10/06/17						
	M1H26S-1110	Bridge H-11(9th Ave Box Girder), F/R/P Box Girders	26	10/09/17	11/14/17						
		H-1541+00 to H-1560+00	312	12/01/17	02/11/19						
		Grubb and Demolition	5	12/01/17	12/07/17						
	M1H27C-1000	H-1541+00 to H-1560+00, Clear & Grubb	5	12/01/17*	12/07/17						
		RCBC & Irrigation Relocation	80	12/08/17	04/04/18						
	M1H27BC-100	H-1541+00 to H-1560+00, CIP Box Culvert	80	12/08/17	04/04/18						
		Track	182	06/01/18	02/11/19						
	M1H27TE-110	H-1541+00 to H-1560+00, HST Track Common Fill (FLOOD)	46	06/01/18	08/06/18						
	M1H27TE-120	H-1541+00 to H-1560+00, HST Track Common Fill, Surcharge Wait	180	08/07/18	02/02/19						
	M1H27TE-130	H-1541+00 to H-1560+00, HST Track Subgrade	4	02/04/19	02/07/19						
	M1H27TE-140	H-1541+00 to H-1560+00, HST Track AC	2	02/08/19	02/11/19						
		Bridge H12(Cairo Box Beam) (H-1560+00 to H-1563+00)	325	11/15/17	02/12/19						
		Grubb and Demolition	5	11/15/17	11/21/17						
	M1H28C-1000	Bridge H-12(Cairo PC Box Beam) (H-1560+00 to H-1563+00), Clear & Grubb	5	11/15/17	11/21/17						
		Structure	103	11/22/17	04/13/18						
	M1H28S-1010	Bridge H-12(Cairo PC Box Beam) , Foundations	22	11/22/17	12/26/17						
	M1H28S-0001	Bridge H-12(Cairo PC Box Beam) , Start Structure	0	11/22/17							
	M1H28S-1030	Bridge H-12(Cairo PC Box Beam) , Wing Walls	28	12/27/17	02/06/18						
	M1H28S-1020	Bridge H-12(Cairo PC Box Beam) , Abutments	16	02/28/18	03/21/18						
	M1H28S-1080	Bridge H-12(Cairo PC Box Beam) , Cure Concrete	21	03/22/18	04/11/18						
	M1H28S-1110	Bridge H-12(Cairo PC Box Beam) , Set Box Gider	2	04/12/18	04/13/18						
		Track	136	08/07/18	02/12/19						
	M1H28TE-110	Bridge H-12(Cairo PC Box Beam) (H-1560+00 to H-1563+00), HST Track Com...	6	08/07/18	08/14/18						
	M1H28TE-120	Bridge H-12(Cairo PC Box Beam) (H-1560+00 to H-1563+00), HST Track Com...	180	08/15/18	02/10/19						
	M1H28TE-130	Bridge H-12(Cairo PC Box Beam) (H-1560+00 to H-1563+00), HST Track Subgr...	1	02/11/19	02/11/19						
	M1H28TE-140	Bridge H-12(Cairo PC Box Beam) (H-1560+00 to H-1563+00), HST Track AC	1	02/12/19	02/12/19						
		H-1563+00 to 1581+00	229	05/25/18	04/10/19						
		Grubb and Demolition	5	05/25/18	06/01/18						
	M1H29C-1000	H-1563+00 to H-1581+00, Clear & Grubb	5	05/25/18	06/01/18						
		Track	223	06/04/18	04/10/19						

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish	2015		2016		2017		2018		2019	
	M1H29TE-110	H-1563+00 to H-1581+00, HST Track Common Fill	86	06/04/18	10/03/18									
	M1H29TE-120	H-1563+00 to H-1581+00, HST Track Common Fill, Surcharge Wait	180	10/04/18	04/01/19									
	M1H29TE-130	H-1563+00 to H-1581+00, HST Track Subgrade	5	04/02/19	04/08/19									
	M1H29TE-140	H-1563+00 to H-1581+00, HST Track AC	2	04/09/19	04/10/19									
Bridge H13(Kings River) (H-1581+00 to H-1588+00)		290	12/19/17	02/14/19										
Grubb and Demolition		5	12/19/17	12/26/17										
	M1H30C-1000	Bridge H-13(Kings River Viaduct) (H-1581+00 to H-1588+00), Clear & Grubb	5	12/19/17	12/26/17									
Structure (5 Spans)		285	12/27/17	02/14/19										
	M1H30S-1010	Bridge H-13(Kings River Viaduct), Foundations	62	12/27/17	03/27/18									
	M1H30S-0001	Bridge H-13(Kings River Viaduct), Start Structure	0	12/27/17										
	M1H30S-1030	Bridge H-13(Kings River Viaduct), Wing Walls	14	03/28/18	04/16/18									
	M1H30S-1020	Bridge H-13(Kings River Viaduct), Abutments	16	07/09/18	07/30/18									
	M1H30S-1040	Bridge H-13(Kings River Viaduct), F/R/P Columns	40	07/31/18	09/25/18									
	M1H30S-1075	Bridge H-13(Kings River Viaduct), F/R/P Box Girders	126	08/14/18	02/14/19									
H-1588+00 to H-1594+00		336	01/02/18	04/16/19										
Grubb and Demolition		5	01/02/18	01/08/18										
	M1H31C-1000	H-1588+00 to H-1594+00, Clear & Grubb	5	01/02/18*	01/08/18									
RCBC & Irrigation Relocation		187	01/09/18	10/03/18										
	M1H31BC-100	H-1588+00 to H-1594+00, CIP Box Culvert	80	01/09/18	05/02/18									
	M1H31BC-110	H-1588+00 to H-1594+00, Precast Irrigation Culverts and Canal/Ditch Work	10	09/20/18	10/03/18									
Track		139	10/04/18	04/16/19										
	M1H31TE-110	H-1588+00 to H-1594+00, HST Track Common Fill (FLOOD)	8	10/04/18	10/15/18									
	M1H31TE-120	H-1588+00 to H-1594+00, HST Track Common Fill, Surcharge Wait	180	10/16/18	04/13/19									
	M1H31TE-130	H-1588+00 to H-1594+00, HST Track Subgrade	1	04/15/19	04/15/19									
	M1H31TE-140	H-1588+00 to H-1594+00, HST Track AC	1	04/16/19	04/16/19									
H-1594+00 to H-1595+00 (Bridge H14)		589	01/13/17	04/17/19										
Grubb and Demolition		5	01/13/17	01/20/17										
	M1H32C-1000	Bridge H-14 (H-1594+00 to H-1595+00), Clear & Grubb	5	01/13/17	01/20/17									
Structure		90	01/23/17	05/30/17										
	M1H32S-1020	Bridge H-14 (H-1594+00 to H-1595+00), F/R/P SOG	40	01/23/17	03/20/17									
	M1H32S-0001	Bridge H-14 (H-1594+00 to H-1595+00), Start Structure (Box culvert)	0	01/23/17										
	M1H32S-1060	Bridge H-14 (H-1594+00 to H-1595+00), F/R/P Walls	40	02/06/17	04/03/17									
	M1H32S-1070	Bridge H-14 (H-1594+00 to H-1595+00), F/R/P Roof	70	02/21/17	05/30/17									
Track		132	10/16/18	04/17/19										
	M1H32TE-110	Bridge H-14 (H-1594+00 to H-1595+00), HST Track Common Fill (FLOOD)	2	10/16/18	10/17/18									
	M1H32TE-120	Bridge H-14 (H-1594+00 to H-1595+00), HST Track Common Fill, Surcharge Wait	180	10/18/18	04/15/19									
	M1H32TE-130	Bridge H-14 (H-1594+00 to H-1595+00), HST Track Subgrade	1	04/16/19	04/16/19									
	M1H32TE-140	Bridge H-14 (H-1594+00 to H-1595+00), HST Track AC	1	04/17/19	04/17/19									
Punchlist		475	07/06/17	05/28/19										
	M1F1-PUNCH	Punchlist - Alignment F1	20	07/06/17	08/02/17									
	M1H-PUNCH	Punchlist - Alignment H	20	04/18/19	05/15/19									
	M1M-PUNCH	Punchlist - Alignment M	20	04/30/19	05/28/19									
Managment Segment 2 (1595+00 to 2595+00)		1020	07/01/15	05/28/19										
Permits		523	07/01/15	12/04/16										
	M2-USACE1010	Managment Segment 2 Permits-USACE 404	500	07/01/15	11/11/16									
	M2-CVFPB1000	Managment Segment 2 Permits-CVFPB/ FEMA CLOMR	505	07/01/15	11/16/16									
	M2-IRRIG1000	Managment Segment 2 Permits-Irrigation Districts	523	07/01/15	12/04/16									

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish					
					2015	2016	2017	2018	2019
M2-UTIL1010	Managment Segment 2 Permits-Utilities SDG&E	505	07/01/15	11/16/16					
M2-UTIL1020	Managment Segment 2 Permits-Utilities SEMPRA	505	07/01/15	11/16/16					
M2-SWRCB1000	Managment Segment 2 Permits-SWRCB Section 402 - NPDES	505	07/01/15	11/16/16					
M2-CDFW1000	Managment Segment 2 Permits-CDFW Section 1602 Streambed Alteration Agre...	505	07/01/15	11/16/16					
M2-UTIL1000	Managment Segment 2 Permits-Utilities PG&E	505	07/01/15	11/16/16					
Geotech-1		213	10/01/15	08/05/16					
GDR for Embankment		213	10/01/15	08/05/16					
M2EMBGeo-100FI	Geotech, Segment 2, Embankment GDR, Field Investigations	80	10/01/15	01/28/16					
M2EMBGeo-100DR	Geotech, Segment 2, Embankment GDR, P/S and R/A Draft Report	66	01/29/16	05/02/16					
M2EMBGeo-100FR	Geotech, Segment 2, Embankment GDR, P/S and R/A Final Report	67	05/03/16	08/05/16					
Design		531	07/01/15	07/12/17					
Civil		288	10/13/15	12/05/16					
Utilities		280	10/13/15	11/21/16					
60% Design		100	10/13/15	03/08/16					
M2UTD-060S	Utility Package, Segment 2, 60% Design, P/S	70	10/13/15	01/25/16					
M2UTD-060R	Utility Package, Segment 2, 60% Design, Authority R/A	30	01/26/16	03/08/16					
M2UTD-060AGN	Utility Package, Segment 2, 60 % Design, 3rd Party R/A	30	01/26/16	03/08/16					
90% Design		90	03/09/16	07/14/16					
M2UTD-090S	Utility Package, Segment 2, 90% Design, P/S	60	03/09/16	06/01/16					
M2UTD-090R	Utility Package, Segment 2, 90% Design, Authority R/A	30	06/02/16	07/14/16					
M2UTD-090AGN	Utility Package, Segment 2, 90 % Design, 3rd Party R/A	30	06/02/16	07/14/16					
RFC		90	07/15/16	11/21/16					
M2UTD-100S	Utility Package, Segment 2, RFC Design, P/S	60	07/15/16	10/07/16					
M2UTD-100R	Utility Package, Segment 2, RFC Design, Authority R/A	30	10/10/16	11/21/16					
M2UTD-100A	Utility Package, Segment 2, RFC Design, Approved	0		11/21/16					
Rail Embankment		275	10/13/15	11/14/16					
60% Design		95	10/13/15	03/01/16					
M2RED-060S	Rail Embankment Package, Segment 2, 60% Design, P/S	65	10/13/15	01/15/16					
M2RED-060R	Rail Embankment Package, Segment 2, 60% Design, Authority R/A	30	01/19/16	03/01/16					
M2RED-060AGN	Rail Embankment Package, Segment 2, 60% Design, 3rd Party R/A	30	01/19/16	03/01/16					
90% Design		90	03/02/16	07/07/16					
M2RED-090S	Rail Embankment Package, Segment 2, 90% Design, P/S	60	03/02/16	05/24/16					
M2RED-090R	Rail Embankment Package, Segment 2, 90% Design, Authority R/A	30	05/25/16	07/07/16					
M2RED-090AGN	Rail Embankment Package, Segment 2, 90% Design, 3rd Party R/A	30	05/25/16	07/07/16					
RFC		90	07/08/16	11/14/16					
M2RED-100S	Rail Embankment Package, Segment 2, RFC Design, P/S	60	07/08/16	09/30/16					
M2RED-100R	Rail Embankment Package, Segment 2, RFC Design, Authority R/A	30	10/03/16	11/14/16					
M2RED-100A	Rail Embankment Package, Segment 2, RFC Design, Approved	0		11/14/16					
Irrigation Canals		288	10/13/15	12/05/16					
60% Design		90	10/13/15	02/23/16					
M2IRD-060S	Irrigation Package, Segment 2, 60% Design, P/S	60	10/13/15	01/08/16					
M2IRD-060R	Irrigation Package, Segment 2, 60% Design, Authority R/A	30	01/11/16	02/23/16					
M2IRD-060AGN	Irrigation Package, Segment 2, 60% Design, 3rd Party R/A	30	01/11/16	02/23/16					
90% Design		90	02/24/16	06/29/16					
M2IRD-090S	Irrigation Package, Segment 2, 90% Design, P/S	60	02/24/16	05/17/16					
M2IRD-090R	Irrigation Package, Segment 2, 90% Design, Authority R/A	30	05/18/16	06/29/16					
M2IRD-090AGN	Irrigation Package, Segment 2, 90% Design, 3rd Party R/A	30	05/18/16	06/29/16					

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016	2017	2018	2019
		RFC	108	06/30/16	12/05/16						
		M2IRD-100S Irrigation Package, Segment 2, RFC Design, P/S	60	06/30/16	09/23/16						
		M2IRD-100R Irrigation Package, Segment 2, RFC Design, Authority R/A	30	09/26/16	11/04/16						
		M2IRD-100A Irrigation Package, Segment 2, RFC Design, Approved	0		12/05/16						
		Caltrans Roadway	280	10/13/15	11/21/16						
		60% Design	100	10/13/15	03/08/16						
		M2CRWD-060S CALTRANS Roadway Package, Segment 2, 60% Design, P/S	70	10/13/15	01/25/16						
		M2CRWD-060R CALTRANS Roadway Package, Segment 2, 60% Design, Authority R/A	30	01/26/16	03/08/16						
		M2CRWD-060AGN CALTRANS Roadway Package, Segment 2, 60 % Design, 3rd Party R/A	30	01/26/16	03/08/16						
		90% Design	90	03/09/16	07/14/16						
		M2CRWD-090S CALTRANS Roadway Package, Segment 2, 90% Design, P/S	60	03/09/16	06/01/16						
		M2CRWD-090R CALTRANS Roadway Package, Segment 2, 90% Design, Authority R/A	30	06/02/16	07/14/16						
		M2CRWD-090AGN CALTRANS Roadway Package, Segment 2, 90 % Design, 3rd Party R/A	30	06/02/16	07/14/16						
		RFC	90	07/15/16	11/21/16						
		M2CRWD-100S CALTRANS Roadway Package, Segment 2, RFC Design, P/S	60	07/15/16	10/07/16						
		M2CRWD-100R CALTRANS Roadway Package, Segment 2, RFC Design, Authority R/A	30	10/10/16	11/21/16						
		M2CRWD-100A CALTRANS Roadway Package, Segment 2, RFC Design, Approved	0		11/21/16						
		Roadway	280	10/13/15	11/21/16						
		60% Design	100	10/13/15	03/08/16						
		M2LRWD-060S Local Roadway Package, Segment 2, 60% Design, P/S	70	10/13/15	01/25/16						
		M2LRWD-060R Local Roadway Package, Segment 2, 60% Design, Authority R/A	30	01/26/16	03/08/16						
		M2LRWD-060AGN Local Roadway Package, Segment 2, 60 % Design, 3rd Party R/A	30	01/26/16	03/08/16						
		90% Design	90	03/09/16	07/14/16						
		M2LRWD-090S Local Roadway Package, Segment 2, 90% Design, P/S	60	03/09/16	06/01/16						
		M2LRWD-090R Local Roadway Package, Segment 2, 90% Design, Authority R/A	30	06/02/16	07/14/16						
		M2LRWD-090AGN Local Roadway Package, Segment 2, 90 % Design, 3rd Party R/A	30	06/02/16	07/14/16						
		RFC	90	07/15/16	11/21/16						
		M2LRWD-100S Local Roadway Package, Segment 2, RFC Design, P/S	60	07/15/16	10/07/16						
		M2LRWD-100R Local Roadway Package, Segment 2, RFC Design, Authority R/A	30	10/10/16	11/21/16						
		M2LRWD-100A Local Roadway Package, Segment 2, RFC Design, Approved	0		11/21/16						
		Structures	531	07/01/15	07/12/17						
		Railroad & CPUC Submittal	34	02/10/17	04/03/17						
		M2H47BD-030CPUCA SR-43 over SJVRR, CPUC Approval	0		02/10/17						
		M2H47AD-030CPUCA Bridge H-17 (HST over SJVRR), CPUC Approval	0		04/03/17						
		Grade Separation	494	07/01/15	05/22/17						
		Dover Ave (1654+01)	408	07/01/15	01/20/17						
		Geotech	147	10/01/15	05/03/16						
		M1H35D-GEO060F Dover Ave Geotech, Field Testing & Lab work	25	10/01/15	11/05/15						
		M1H35D-GEO060 Dover Ave Geotech, P/S and R/A DFR	50	11/06/15	01/21/16						
		M1H35D-GEO100 Dover Ave Geotech, P/S and R/A FFR	72	01/22/16	05/03/16						
		Type Selection	118	07/01/15	12/11/15						
		M1H35D-030S Dover Ave Type Selection Report, P/S	62	07/01/15	09/28/15						
		M1H35D-030R Dover Ave Type Selection Report, Authority R/A	20	09/29/15	10/27/15						
		M1H35D-030AGN Dover Ave Type Selection Report, 3rd Party R/A	20	09/29/15	10/18/15						
		M1H35D-030CMN Dover Ave Type Selection Report, Comments Resolution	10	10/28/15	11/10/15						
		M1H35D-030TYPE Dover Ave Type Selection Report, Meeting and Approval	21	11/11/15	12/11/15						
		60% Design	122	12/14/15	05/31/16						
		M1H35D-060S Dover Ave 60% Bridge Design, P/S	77	12/14/15	04/04/16						

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish					
					2015		2016		2017
	M1H35D-060R	Dover Ave 60% Bridge Design, Authority R/A	30	04/05/16	05/16/16				
	M1H35D-060AGN	Dover Ave 60% Bridge Design, 3rd Party R/A	30	04/05/16	05/04/16				
	M1H35D-060IND	Dover Ave 60% Bridge Design, Independent Check	30	04/05/16	05/16/16				
	M1H35D-060CMNT	Dover Ave 60% Bridge Design, Comments Resolution	10	05/17/16	05/31/16				
	90% Design		112	06/01/16	11/03/16				
	M1H35D-090S	Dover Ave 90% Bridge Design, P/S	70	06/01/16	09/08/16				
	M1H35D-090R	Dover Ave 90% Bridge Design, Authority R/A	30	09/09/16	10/20/16				
	M1H35D-090AGN	Dover Ave 90% Bridge Design, 3rd Party R/A	30	09/09/16	10/08/16				
	M1H35D-090CMNT	Dover Ave 90% Bridge Design, Comments Resolution	10	10/21/16	11/03/16				
	RFC		50	11/04/16	01/20/17				
	M1H35D-100S	Dover Ave RFC Bridge Design-P/S	35	11/04/16	12/28/16				
	M1H35D-100R	Dover Ave RFC Bridge Design, Authority R/A	15	12/29/16	01/20/17				
	M2H35D-100A	Dover Ave. RFC Bridge Design-Approved	0		01/20/17				
	Excelsior Ave (1706+67)		408	08/10/15	03/01/17				
	Geotech		147	10/16/15	05/17/16				
	M2H37D-GEO060F	Excelsior Ave Geotech, Field Testing & Lab work	25	10/16/15	11/19/15				
	M2H37D-GEO060	Excelsior Ave Geotech, P/S and R/A DFR	50	11/20/15	02/04/16				
	M2H37D-GEO100	Excelsior Ave Geotech, P/S and R/A FFR	72	02/05/16	05/17/16				
	Type Selection		120	08/10/15	01/22/16				
	M2H37D-030S	Excelsior Ave Type Selection Report, P/S	62	08/10/15	11/05/15				
	M2H37D-030R	Excelsior Ave Type Selection Report, Authority R/A	20	11/06/15	12/07/15				
	M2H37D-030AGN	Excelsior Ave Type Selection Report, 3rd Party R/A	20	11/06/15	11/25/15				
	M2H37D-030CMN	Excelsior Ave Type Selection Report, Comments Resolution	10	12/08/15	12/21/15				
	M2H37D-030TYPE	Excelsior Ave Type Selection Report, Meeting and Approval	21	12/22/15	01/22/16				
	60% Design		120	01/25/16	07/08/16				
	M2H37D-060S	Excelsior Ave 60% Bridge Design, P/S	77	01/25/16	05/11/16				
	M2H37D-060R	Excelsior Ave 60% Bridge Design, Authority R/A	30	05/12/16	06/23/16				
	M2H37D-060AGN	Excelsior Ave 60% Bridge Design, 3rd Party R/A	30	05/12/16	06/10/16				
	M2H37D-060IND	Excelsior Ave 60% Bridge Design, Independent Check	30	05/12/16	06/23/16				
	M2H37D-060CMNT	Excelsior Ave 60% Bridge Design, Comments Resolution	10	06/24/16	07/08/16				
	90% Design		114	07/11/16	12/15/16				
	M2H37D-090S	Excelsior Ave 90% Bridge Design, P/S	70	07/11/16	10/17/16				
	M2H37D-090R	Excelsior Ave 90% Bridge Design, Authority R/A	30	10/18/16	12/01/16				
	M2H37D-090AGN	Excelsior Ave 90% Bridge Design, 3rd Party R/A	30	10/18/16	11/16/16				
	M2H37D-090CMNT	Excelsior Ave 90% Bridge Design, Comments Resolution	10	12/02/16	12/15/16				
	RFC		50	12/16/16	03/01/17				
	M2H37D-100S	Excelsior Ave RFC Bridge Design-P/S	35	12/16/16	02/07/17				
	M2H37D-100R	Excelsior Ave RFC Bridge Design, Authority R/A	15	02/08/17	03/01/17				
	M2H37D-100A	Excelsior Ave RFC Bridge Design-Approved	0		03/01/17				
	Elder Ave. (1760+98)		408	07/01/15	01/20/17				
	Geotech		147	10/01/15	05/03/16				
	M2H39D-GEO060F	Elder Ave Geotech, Field Testing & Lab work	25	10/01/15	11/05/15				
	M2H39D-GEO060	Elder Ave Geotech, P/S and R/A DFR	50	11/06/15	01/21/16				
	M2H39D-GEO100	Elder Ave Geotech, P/S and R/A FFR	72	01/22/16	05/03/16				
	Type Selection		118	07/01/15	12/11/15				
	M2H39D-030S	Elder Ave Type Selection Report, P/S	62	07/01/15	09/28/15				
	M2H39D-030R	Elder Ave Type Selection Report, Authority R/A	20	09/29/15	10/27/15				

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish					
					2015	2016	2017	2018	2019
M2H39D-030AGN	Elder Ave Type Selection Report, 3rd Party R/A	20	09/29/15	10/18/15					
M2H39D-030CMN	Elder Ave Type Selection Report, Comments Resolution	10	10/28/15	11/10/15					
M2H39D-030TYPE	Elder Ave Type Selection Report, Meeting and Approval	21	11/11/15	12/11/15					
60% Design		122	12/14/15	05/31/16					
M2H39D-060S	Elder Ave 60% Bridge Design, P/S	77	12/14/15	04/04/16					
M2H39D-060R	Elder Ave 60% Bridge Design, Authority R/A	30	04/05/16	05/16/16					
M2H39D-060AGN	Elder Ave 60% Bridge Design, 3rd Party R/A	30	04/05/16	05/04/16					
M2H39D-060IND	Elder Ave 60% Bridge Design, Independent Check	30	04/05/16	05/16/16					
M2H39D-060CMNT	Elder Ave 60% Bridge Design, Comments Resolution	10	05/17/16	05/31/16					
90% Design		112	06/01/16	11/03/16					
M2H39D-090S	Elder Ave 90% Bridge Design, P/S	70	06/01/16	09/08/16					
M2H39D-090R	Elder Ave 90% Bridge Design, Authority R/A	30	09/09/16	10/20/16					
M2H39D-090AGN	Elder Ave 90% Bridge Design, 3rd Party R/A	30	09/09/16	10/08/16					
M2H39D-090CMNT	Elder Ave 90% Bridge Design, Comments Resolution	10	10/21/16	11/03/16					
RFC		50	11/04/16	01/20/17					
M2H39D-100S	Elder Ave RFC Bridge Design-P/S	35	11/04/16	12/28/16					
M2H39D-100R	Elder Ave RFC Bridge Design, Authority R/A	15	12/29/16	01/20/17					
M2H39D-100A	Elder Ave RFC Bridge Design-Approved	0		01/20/17					
E. Flint (1814+98)		407	09/21/15	04/11/17					
Geotech		147	10/16/15	05/17/16					
M2H41D-GEO060F	E. Flint Ave. Geotech, Field Testing & Lab work	25	10/16/15	11/19/15					
M2H41D-GEO060	E. Flint Ave. Geotech, P/S and R/A DFR	50	11/20/15	02/04/16					
M2H41D-GEO100	E. Flint Ave. Geotech, P/S and R/A FFR	72	02/05/16	05/17/16					
Type Selection		120	09/21/15	03/04/16					
M2H41D-030S	E. Flint Ave. Type Selection Report, P/S	62	09/21/15	12/18/15					
M2H41D-030R	E. Flint Ave. Type Selection Report, Authority R/A	20	12/21/15	01/20/16					
M2H41D-030AGN	E. Flint Ave. Type Selection Report, 3rd Party R/A	20	12/21/15	01/09/16					
M2H41D-030CMN	E. Flint Ave. Type Selection Report, Comments Resolution	10	01/21/16	02/03/16					
M2H41D-030TYPE	E. Flint Ave. Type Selection Report, Meeting and Approval	21	02/04/16	03/04/16					
60% Design		119	03/07/16	08/18/16					
M2H41D-060S	E. Flint Ave. 60% Bridge Design, P/S	77	03/07/16	06/22/16					
M2H41D-060R	E. Flint Ave. 60% Bridge Design, Authority R/A	30	06/23/16	08/04/16					
M2H41D-060AGN	E. Flint Ave. 60% Bridge Design, 3rd Party R/A	30	06/23/16	07/22/16					
M2H41D-060IND	E. Flint Ave. 60% Bridge Design, Independent Check	30	06/23/16	08/04/16					
M2H41D-060CMNT	E. Flint Ave. 60% Bridge Design, Comments Resolution	10	08/05/16	08/18/16					
90% Design		117	08/19/16	01/30/17					
M2H41D-090S	E. Flint Ave. 90% Bridge Design, P/S	70	08/19/16	11/30/16					
M2H41D-090R	E. Flint Ave. 90% Bridge Design, Authority R/A	30	12/01/16	01/13/17					
M2H41D-090AGN	E. Flint Ave. 90% Bridge Design, 3rd Party R/A	30	12/01/16	12/30/16					
M2H41D-090CMNT	E. Flint Ave. 90% Bridge Design, Comments Resolution	10	01/17/17	01/30/17					
RFC		50	01/31/17	04/11/17					
M2H41D-100S	E. Flint Ave. RFC Bridge Design-P/S	35	01/31/17	03/21/17					
M2H41D-100R	E. Flint Ave. RFC Bridge Design, Authority R/A	15	03/22/17	04/11/17					
M2H41D-100A	E. Flint Ave. RFC Bridge Design-Approved	0		04/11/17					
Fargo Ave. (1868+17)		407	10/30/15	05/22/17					
Geotech		147	10/30/15	06/01/16					
M2H43D-GEO060F	Fargo Ave. Geotech, Field Testing & Lab work	25	10/30/15	12/07/15					

- Remaining Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone



Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish					
					2015		2016		2017
	M2H43D-GEO060	Fargo Ave. Geotech, P/S and R/A DFR	50	12/08/15	02/19/16				
	M2H43D-GEO100	Fargo Ave. Geotech, P/S and R/A FFR	72	02/22/16	06/01/16				
	Type Selection		119	11/02/15	04/14/16				
	M2H43D-030S	Fargo Ave. Type Selection Report, P/S	62	11/02/15	02/02/16				
	M2H43D-030R	Fargo Ave. Type Selection Report, Authority R/A	20	02/03/16	03/02/16				
	M2H43D-030AGN	Fargo Ave. Type Selection Report, 3rd Party R/A	20	02/03/16	02/22/16				
	M2H43D-030CMN	Fargo Ave. Type Selection Report, Comments Resolution	10	03/03/16	03/16/16				
	M2H43D-030TYPE	Fargo Ave. Type Selection Report, Meeting and Approval	21	03/17/16	04/14/16				
	60% Design		120	04/15/16	09/29/16				
	M2H43D-060S	Fargo Ave. 60% Bridge Design, P/S	77	04/15/16	08/03/16				
	M2H43D-060R	Fargo Ave. 60% Bridge Design, Authority R/A	30	08/04/16	09/15/16				
	M2H43D-060AGN	Fargo Ave. 60% Bridge Design, 3rd Party R/A	30	08/04/16	09/02/16				
	M2H43D-060IND	Fargo Ave. 60% Bridge Design, Independent Check	30	08/04/16	09/15/16				
	M2H43D-060CMNT	Fargo Ave. 60% Bridge Design, Comments Resolution	10	09/16/16	09/29/16				
	90% Design		117	09/30/16	03/13/17				
	M2H43D-090S	Fargo Ave. 90% Bridge Design, P/S	70	09/30/16	01/12/17				
	M2H43D-090R	Fargo Ave. 90% Bridge Design, Authority R/A	30	01/13/17	02/27/17				
	M2H43D-090AGN	Fargo Ave. 90% Bridge Design, 3rd Party R/A	30	01/13/17	02/11/17				
	M2H43D-090CMNT	Fargo Ave. 90% Bridge Design, Comments Resolution	10	02/28/17	03/13/17				
	RFC		50	03/14/17	05/22/17				
	M2H43D-100S	Fargo Ave. RFC Bridge Design-P/S	35	03/14/17	05/01/17				
	M2H43D-100R	Fargo Ave. RFC Bridge Design, Authority R/A	15	05/02/17	05/22/17				
	M2H43D-100A	Fargo Ave RFC Bridge Design-Approved	0		05/22/17				
	Idaho Ave. (2120+96)		407	09/21/15	04/11/17				
	Geotech		147	11/20/15	06/22/16				
	M2K02D-GEO060F	Idaho Ave. Geotech, Field Testing & Lab work	25	11/20/15	12/29/15				
	M2K02D-GEO060	Idaho Ave. Geotech, P/S and R/A DFR	50	12/30/15	03/11/16				
	M2K02D-GEO100	Idaho Ave. Geotech, P/S and R/A FFR	72	03/14/16	06/22/16				
	Type Selection		120	09/21/15	03/04/16				
	M2K02D-030S	Idaho Ave. Type Selection Report, P/S	62	09/21/15	12/18/15				
	M2K02D-030R	Idaho Ave. Type Selection Report, Authority R/A	20	12/21/15	01/20/16				
	M2K02D-030AGN	Idaho Ave. Type Selection Report, 3rd Party R/A	20	12/21/15	01/09/16				
	M2K02D-030CMN	Idaho Ave. Type Selection Report, Comments Resolution	10	01/21/16	02/03/16				
	M2K02D-030TYPE	Idaho Ave. Type Selection Report, Meeting and Approval	21	02/04/16	03/04/16				
	60% Design		119	03/07/16	08/18/16				
	M2K02D-060S	Idaho Ave. 60% Bridge Design, P/S	77	03/07/16	06/22/16				
	M2K02D-060R	Idaho Ave. 60% Bridge Design, Authority R/A	30	06/23/16	08/04/16				
	M2K02D-060AGN	Idaho Ave. 60% Bridge Design, 3rd Party R/A	30	06/23/16	07/22/16				
	M2K02D-060IND	Idaho Ave. 60% Bridge Design, Independent Check	30	06/23/16	08/04/16				
	M2K02D-060CMNT	Idaho Ave. 60% Bridge Design, Comments Resolution	10	08/05/16	08/18/16				
	90% Design		117	08/19/16	01/30/17				
	M2K02D-090S	Idaho Ave. 90% Bridge Design, P/S	70	08/19/16	11/30/16				
	M2K02D-090R	Idaho Ave. 90% Bridge Design, Authority R/A	30	12/01/16	01/13/17				
	M2K02D-090AGN	Idaho Ave. 90% Bridge Design, 3rd Party R/A	30	12/01/16	12/30/16				
	M2K02D-090CMNT	Idaho Ave. 90% Bridge Design, Comments Resolution	10	01/17/17	01/30/17				
	RFC		50	01/31/17	04/11/17				
	M2K02D-100S	Idaho Ave. RFC Bridge Design-P/S	35	01/31/17	03/21/17				

- Remaining Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone



Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish					
					2015		2016		2017
	M2K02D-100R	Idaho Ave. RFC Bridge Design, Authority R/A	15	03/22/17	04/11/17				
	M2K02D-100A	Idaho Ave. RFC Bridge Design-Approved	0		04/11/17				
	Jackson Ave. (2173+33)		406	11/02/15	05/22/17				
	Geotech		147	01/14/16	08/11/16				
	M2K04D-GEO060F	Jackson Ave. Geotech, Field Testing & Lab work	25	01/14/16	02/19/16				
	M2K04D-GEO060	Jackson Ave. Geotech, P/S and R/A DFR	50	02/22/16	04/29/16				
	M2K04D-GEO100	Jackson Ave. Geotech, P/S and R/A FFR	72	05/02/16	08/11/16				
	Type Selection		119	11/02/15	04/14/16				
	M2K04D-030S	Jackson Ave. Type Selection Report, P/S	62	11/02/15	02/02/16				
	M2K04D-030R	Jackson Ave. Type Selection Report, Authority R/A	20	02/03/16	03/02/16				
	M2K04D-030AGN	Jackson Ave. Type Selection Report, 3rd Party R/A	20	02/03/16	02/22/16				
	M2K04D-030CMN	Jackson Ave. Type Selection Report, Comments Resolution	10	03/03/16	03/16/16				
	M2K04D-030TYPE	Jackson Ave. Type Selection Report, Meeting and Approval	21	03/17/16	04/14/16				
	60% Design		120	04/15/16	09/29/16				
	M2K04D-060S	Jackson Ave. 60% Bridge Design, P/S	77	04/15/16	08/03/16				
	M2K04D-060R	Jackson Ave. 60% Bridge Design, Authority R/A	30	08/04/16	09/15/16				
	M2K04D-060AGN	Jackson Ave. 60% Bridge Design, 3rd Party R/A	30	08/04/16	09/02/16				
	M2K04D-060IND	Jackson Ave. 60% Bridge Design, Independent Check	30	08/04/16	09/15/16				
	M2K04D-060CMNT	Jackson Ave. 60% Bridge Design, Comments Resolution	10	09/16/16	09/29/16				
	90% Design		117	09/30/16	03/13/17				
	M2K04D-090S	Jackson Ave. 90% Bridge Design, P/S	70	09/30/16	01/12/17				
	M2K04D-090R	Jackson Ave. 90% Bridge Design, Authority R/A	30	01/13/17	02/27/17				
	M2K04D-090AGN	Jackson Ave. 90% Bridge Design, 3rd Party R/A	30	01/13/17	02/11/17				
	M2K04D-090CMNT	Jackson Ave. 90% Bridge Design, Comments Resolution	10	02/28/17	03/13/17				
	RFC		50	03/14/17	05/22/17				
	M2K04D-100S	Jackson Ave. RFC Bridge Design-P/S	35	03/14/17	05/01/17				
	M2K04D-100R	Jackson Ave. RFC Bridge Design, Authority R/A	15	05/02/17	05/22/17				
	M2K04D-100A	Jackson Ave. RFC Bridge Design-Approved	0		05/22/17				
	SR-43 over SJVRR (1956+00)		428	07/01/15	02/17/17				
	Geotech		147	10/01/15	05/03/16				
	M2H47BD-GEO060F	SR-43 over SJVRR Geotech, Field Testing & Lab work	25	10/01/15	11/05/15				
	M2H47BD-GEO060	SR-43 over SJVRR Geotech, P/S and R/A DFR	50	11/06/15	01/21/16				
	M2H47BD-GEO100	SR-43 over SJVRR Geotech, P/S and R/A FFR	72	01/22/16	05/03/16				
	Type Selection		118	07/01/15	12/11/15				
	M2H47BD-030S	SR-43 over SJVRR Type Selection Report, P/S	62	07/01/15	09/28/15				
	M2H47BD-030R	SR-43 over SJVRR Type Selection Report, Authority R/A	20	09/29/15	10/27/15				
	M2H47BD-030AGN	SR-43 over SJVRR Type Selection Report, 3rd Party R/A	20	09/29/15	10/18/15				
	M2H47BD-030CM	SR-43 over SJVRR Type Selection Report, Comments Resolution	10	10/28/15	11/10/15				
	M2H47BD-030TYI	SR-43 over SJVRR Type Selection Report, Meeting and Approval	21	11/11/15	12/11/15				
	SJVR Design Package		305	12/14/15	02/10/17				
	M2H47BD-030BNSF	SR-43 over SJVRR, SJVRR Design Package, P/S	20	12/14/15	01/12/16				
	M2H47BD-030BNSF	SR-43 over SJVRR, SJVRR Design Package, BNSF R/A	45	01/13/16	03/17/16				
	M2H47BD-030CPUC	SR-43 over SJVRR, SJVRR Design Package, CPUC R/A	330	03/18/16	02/10/17				
	60% Design		120	01/13/16	06/28/16				
	M2H47BD-060S	SR-43 over SJVRR 60% Bridge Design, P/S	77	01/13/16	05/02/16				
	M2H47BD-060R	SR-43 over SJVRR 60% Bridge Design, Authority R/A	30	05/03/16	06/14/16				
	M2H47BD-060AGN	SR-43 over SJVRR 60% Bridge Design, 3rd Party R/A	30	05/03/16	06/01/16				

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016	2017	2018	2019			
		M2H47BD-060IND	SR-43 over SJVRR 60% Bridge Design, Independent Check	30	05/03/16	06/14/16								
		M2H47BD-060CM	SR-43 over SJVRR 60% Bridge Design, Comments Resolution	10	06/15/16	06/28/16								
		90% Design		115	06/29/16	12/06/16								
		M2H47BD-090S	SR-43 over SJVRR 90% Bridge Design, P/S	70	06/29/16	10/06/16								
		M2H47BD-090R	SR-43 over SJVRR 90% Bridge Design, Authority R/A	30	10/07/16	11/18/16								
		M2H47BD-090AGN	SR-43 over SJVRR 90% Bridge Design, 3rd Party R/A	30	10/07/16	11/05/16								
		M2H47BD-090CM	SR-43 over SJVRR 90% Bridge Design, Comments Resolution	10	11/21/16	12/06/16								
		RFC		50	12/07/16	02/17/17								
		M2H47BD-100S	SR-43 over SJVRR RFC Bridge Design-P/S	35	12/07/16	01/27/17								
		M2H47BD-100R	SR-43 over SJVRR RFC Bridge Design, Authority R/A	15	01/30/17	02/17/17								
		M2H47BD-100A	SR-43 over SJVRR RFC Bridge Design-Approved	0		02/17/17								
		Houston Ave (2083+93)			408	07/01/15	01/20/17							
		Geotech			147	10/01/15	05/03/16							
		M2H53D-GEO060F	Houston Ave. Geotech, Field Testing & Lab work	25	10/01/15	11/05/15								
		M2H53D-GEO060	Houston Ave. Geotech, P/S and R/A DFR	50	11/06/15	01/21/16								
		M2H53D-GEO100	Houston Ave. Geotech, P/S and R/A FFR	72	01/22/16	05/03/16								
		Type Selection			118	07/01/15	12/11/15							
		M2H53D-030S	Houston Ave. Type Selection Report, P/S	62	07/01/15	09/28/15								
		M2H53D-030R	Houston Ave. Type Selection Report, Authority R/A	20	09/29/15	10/27/15								
		M2H53D-030AGN	Houston Ave. Type Selection Report, 3rd Party R/A	20	09/29/15	10/18/15								
		M2H53D-030CMN	Houston Ave. Type Selection Report, Comments Resolution	10	10/28/15	11/10/15								
		M2H53D-030TYPE	Houston Ave. Type Selection Report, Meeting and Approval	21	11/11/15	12/11/15								
		60% Design			122	12/14/15	05/31/16							
		M2H53D-060S	Houston Ave. 60% Bridge Design, P/S	77	12/14/15	04/04/16								
		M2H53D-060R	Houston Ave. 60% Bridge Design, Authority R/A	30	04/05/16	05/16/16								
		M2H53D-060AGN	Houston Ave. 60% Bridge Design, 3rd Party R/A	30	04/05/16	05/04/16								
		M2H53D-060IND	Houston Ave. 60% Bridge Design, Independent Check	30	04/05/16	05/16/16								
		M2H53D-060CMNT	Houston Ave. 60% Bridge Design, Comments Resolution	10	05/17/16	05/31/16								
		90% Design			112	06/01/16	11/03/16							
		M2H53D-090S	Houston Ave. 90% Bridge Design, P/S	70	06/01/16	09/08/16								
		M2H53D-090R	Houston Ave. 90% Bridge Design, Authority R/A	30	09/09/16	10/20/16								
		M2H53D-090AGN	Houston Ave. 90% Bridge Design, 3rd Party R/A	30	09/09/16	10/08/16								
		M2H53D-090CMNT	Houston Ave. 90% Bridge Design, Comments Resolution	10	10/21/16	11/03/16								
		RFC			50	11/04/16	01/20/17							
		M2H53D-100S	Houston Ave. RFC Bridge Design-P/S	35	11/04/16	12/28/16								
		M2H53D-100R	Houston Ave. RFC Bridge Design, Authority R/A	15	12/29/16	01/20/17								
		M2H53D-100A	Houston Ave. RFC Bridge Design-Approved	0		01/20/17								
		Hanford Armona Rd (2029+29)			428	10/01/15	05/22/17							
		Geotech			147	10/01/15	05/03/16							
		M2H51D-GEO060F	Hanford Arm. Geotech, Field Testing & Lab work	25	10/01/15	11/05/15								
M2H51D-GEO060	Hanford Arm. Geotech, P/S and R/A DFR	50	11/06/15	01/21/16										
M2H51D-GEO100	Hanford Arm. Geotech, P/S and R/A FFR	72	01/22/16	05/03/16										
Type Selection			119	11/02/15	04/14/16									
M2H51D-030S	Hanford Arm. Type Selection Report, P/S	62	11/02/15	02/02/16										
M2H51D-030R	Hanford Arm. Type Selection Report, Authority R/A	20	02/03/16	03/02/16										
M2H51D-030AGN	Hanford Arm. Type Selection Report, 3rd Party R/A	20	02/03/16	02/22/16										
M2H51D-030CMN	Hanford Arm. Type Selection Report, Comments Resolution	10	03/03/16	03/16/16										

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016	2017	2018	2019		
		M2H51D-030TYPE	Hanford Arm. Type Selection Report, Meeting and Approval	21	03/17/16	04/14/16							
		60% Design		120	04/15/16	09/29/16							
		M2H51D-060S	Hanford Arm. 60% Bridge Design, P/S	77	04/15/16	08/03/16							
		M2H51D-060R	Hanford Arm. 60% Bridge Design, Authority R/A	30	08/04/16	09/15/16							
		M2H51D-060AGN	Hanford Arm. 60% Bridge Design, 3rd Party R/A	30	08/04/16	09/02/16							
		M2H51D-060IND	Hanford Arm. 60% Bridge Design, Independent Check	30	08/04/16	09/15/16							
		M2H51D-060CMNT	Hanford Arm. 60% Bridge Design, Comments Resolution	10	09/16/16	09/29/16							
		90% Design		117	09/30/16	03/13/17							
		M2H51D-090S	Hanford Arm. 90% Bridge Design, P/S	70	09/30/16	01/12/17							
		M2H51D-090R	Hanford Arm. 90% Bridge Design, Authority R/A	30	01/13/17	02/27/17							
		M2H51D-090AGN	Hanford Arm. 90% Bridge Design, 3rd Party R/A	30	01/13/17	02/11/17							
		M2H51D-090CMNT	Hanford Arm. 90% Bridge Design, Comments Resolution	10	02/28/17	03/13/17							
		RFC		50	03/14/17	05/22/17							
		M2H51D-100S	Hanford Arm. RFC Bridge Design-P/S	35	03/14/17	05/01/17							
		M2H51D-100R	Hanford Arm. RFC Bridge Design, Authority R/A	15	05/02/17	05/22/17							
		M2H51D-100A	Hanford Arm. RFC Bridge Design-Approved	0		05/22/17							
		Iona Ave (2136+82)			406	11/02/15	05/22/17						
		Geotech			147	11/06/15	06/08/16						
		M2H55D-GEO060F	Iona Ave. Geotech, Field Testing & Lab work	25	11/06/15	12/14/15							
		M2H55D-GEO060	Iona Ave. Geotech, P/S and R/A DFR	50	12/15/15	02/26/16							
		M2H55D-GEO100	Iona Ave. Geotech, P/S and R/A FFR	72	02/29/16	06/08/16							
		Type Selection			119	11/02/15	04/14/16						
		M2H55D-030S	Iona Ave. Type Selection Report, P/S	62	11/02/15	02/02/16							
		M2H55D-030R	Iona Ave. Type Selection Report, Authority R/A	20	02/03/16	03/02/16							
		M2H55D-030AGN	Iona Ave. Type Selection Report, 3rd Party R/A	20	02/03/16	02/22/16							
		M2H55D-030CMN	Iona Ave. Type Selection Report, Comments Resolution	10	03/03/16	03/16/16							
		M2H55D-030TYPE	Iona Ave. Type Selection Report, Meeting and Approval	21	03/17/16	04/14/16							
		60% Design			120	04/15/16	09/29/16						
		M2H55D-060S	Iona Ave. 60% Bridge Design, P/S	77	04/15/16	08/03/16							
		M2H55D-060R	Iona Ave. 60% Bridge Design, Authority R/A	30	08/04/16	09/15/16							
		M2H55D-060AGN	Iona Ave. 60% Bridge Design, 3rd Party R/A	30	08/04/16	09/02/16							
		M2H55D-060IND	Iona Ave. 60% Bridge Design, Independent Check	30	08/04/16	09/15/16							
		M2H55D-060CMNT	Iona Ave. 60% Bridge Design, Comments Resolution	10	09/16/16	09/29/16							
		90% Design			117	09/30/16	03/13/17						
		M2H55D-090S	Iona Ave. 90% Bridge Design, P/S	70	09/30/16	01/12/17							
		M2H55D-090R	Iona Ave. 90% Bridge Design, Authority R/A	30	01/13/17	02/27/17							
		M2H55D-090AGN	Iona Ave. 90% Bridge Design, 3rd Party R/A	30	01/13/17	02/11/17							
		M2H55D-090CMNT	Iona Ave. 90% Bridge Design, Comments Resolution	10	02/28/17	03/13/17							
		RFC			50	03/14/17	05/22/17						
		M2H55D-100S	Iona Ave. RFC Bridge Design-P/S	35	03/14/17	05/01/17							
		M2H55D-100R	Iona Ave. RFC Bridge Design, Authority R/A	15	05/02/17	05/22/17							
		M2H55D-100A	Iona Ave. RFC Bridge Design-Approved	0		05/22/17							
		SR43 Overpass K-7 (2243+00)			407	09/21/15	04/11/17						
		Geotech			147	12/08/15	07/07/16						
		M2K06D-GEO060F	SR-43 Overpass Geotech, Field Testing & Lab work	25	12/08/15	01/13/16							
M2K06D-GEO060	SR-43 Overpass Geotech, P/S and R/A DFR	50	01/14/16	03/25/16									
M2K06D-GEO100	SR-43 Overpass Geotech, P/S and R/A FFR	72	03/28/16	07/07/16									

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016		2017		2018		2019	
		Type Selection		120	09/21/15	03/04/16									
		M2K06D-030S	SR-43 Overpass Type Selection Report, P/S	62	09/21/15	12/18/15									
		M2K06D-030R	SR-43 Overpass Type Selection Report, Authority R/A	20	12/21/15	01/20/16									
		M2K06D-030AGN	SR-43 Overpass Type Selection Report, 3rd Party R/A	20	12/21/15	01/09/16									
		M2K06D-030CMN	SR-43 Overpass Type Selection Report, Comments Resolution	10	01/21/16	02/03/16									
		M2K06D-030TYPE	SR-43 Overpass Type Selection Report, Meeting and Approval	21	02/04/16	03/04/16									
		60% Design		119	03/07/16	08/18/16									
		M2K06D-060S	SR-43 Overpass 60% Bridge Design, P/S	77	03/07/16	06/22/16									
		M2K06D-060R	SR-43 Overpass 60% Bridge Design, Authority R/A	30	06/23/16	08/04/16									
		M2K06D-060AGN	SR-43 Overpass 60% Bridge Design, 3rd Party R/A	30	06/23/16	07/22/16									
		M2K06D-060IND	SR-43 Overpass 60% Bridge Design, Independent Check	30	06/23/16	08/04/16									
		M2K06D-060CMNT	SR-43 Overpass 60% Bridge Design, Comments Resolution	10	08/05/16	08/18/16									
		90% Design		117	08/19/16	01/30/17									
		M2K06D-090S	SR-43 Overpass 90% Bridge Design, P/S	70	08/19/16	11/30/16									
		M2K06D-090R	SR-43 Overpass 90% Bridge Design, Authority R/A	30	12/01/16	01/13/17									
		M2K06D-090AGN	SR-43 Overpass 90% Bridge Design, 3rd Party R/A	30	12/01/16	12/30/16									
		M2K06D-090CMNT	SR-43 Overpass 90% Bridge Design, Comments Resolution	10	01/17/17	01/30/17									
		RFC		50	01/31/17	04/11/17									
		M2K06D-100S	SR-43 Overpass RFC Bridge Design-P/S	35	01/31/17	03/21/17									
		M2K06D-100R	SR-43 Overpass RFC Bridge Design, Authority R/A	15	03/22/17	04/11/17									
		M2K06D-100A	SR-43 Overpass RFC Bridge Design-Approved	0		04/11/17									
		SR43 Overpass K-8 (2535+00)		419	07/01/15	02/06/17									
		Geotech		147	11/06/15	06/08/16									
		M2K15D-GEO060F	Bridge K-8 (SR43 Overpass) Geotech, Field Testing & Lab work	25	11/06/15	12/14/15									
		M2K15D-GEO060	Bridge K-8 (SR43 Overpass) Geotech, P/S and R/A DFR	50	12/15/15	02/26/16									
		M2K15D-GEO100	Bridge K-8 (SR43 Overpass) Geotech, P/S and R/A FFR	72	02/29/16	06/08/16									
		Type Selection		118	07/01/15	12/11/15									
		M2K15D-030S	Bridge K-8 (SR43 Overpass) Type Selection Report, P/S	62	07/01/15	09/28/15									
		M2K15D-030R	Bridge K-8 (SR43 Overpass) Type Selection Report, Authority R/A	20	09/29/15	10/27/15									
		M2K15D-030AGN	Bridge K-8 (SR43 Overpass) Type Selection Report, 3rd Party R/A	20	09/29/15	10/18/15									
		M2K15D-030CMN	Bridge K-8 (SR43 Overpass) Type Selection Report, Comments Resolution	10	10/28/15	11/10/15									
		M2K15D-030TYPE	Bridge K-8 (SR43 Overpass) Type Selection Report, Meeting and Approval	21	11/11/15	12/11/15									
		60% Design		121	12/30/15	06/15/16									
		M2K15D-060S	Bridge K-8 (SR43 Overpass) 60% Bridge Design, P/S	77	12/30/15	04/19/16									
		M2K15D-060R	Bridge K-8 (SR43 Overpass) 60% Bridge Design, Authority R/A	30	04/20/16	06/01/16									
		M2K15D-060AGN	Bridge K-8 (SR43 Overpass) 60% Bridge Design, 3rd Party R/A	30	04/20/16	05/19/16									
		M2K15D-060IND	Bridge K-8 (SR43 Overpass) 60% Bridge Design, Independent Check	30	04/20/16	06/01/16									
		M2K15D-060CMNT	Bridge K-8 (SR43 Overpass) 60% Bridge Design, Comments Resolution	10	06/02/16	06/15/16									
		90% Design		113	06/16/16	11/21/16									
		M2K15D-090S	Bridge K-8 (SR43 Overpass) 90% Bridge Design, P/S	70	06/16/16	09/23/16									
		M2K15D-090R	Bridge K-8 (SR43 Overpass) 90% Bridge Design, Authority R/A	30	09/26/16	11/04/16									
		M2K15D-090AGN	Bridge K-8 (SR43 Overpass) 90% Bridge Design, 3rd Party R/A	30	09/26/16	10/25/16									
		M2K15D-090CMNT	Bridge K-8 (SR43 Overpass) 90% Bridge Design, Comments Resolution	10	11/07/16	11/21/16									
		RFC		50	11/22/16	02/06/17									
		M2K15D-100S	Bridge K-8 (SR43 Overpass) RFC Bridge Design-P/S	35	11/22/16	01/13/17									
M2K15D-100R	Bridge K-8 (SR43 Overpass) RFC Bridge Design, Authority R/A	15	01/17/17	02/06/17											
M2K15D-100A	Bridge K-8 (SR43 Overpass) RFC Bridge Design-Approved	0		02/06/17											

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016	2017	2018	2019
Kansas Ave. (2343+95)			408	08/10/15	03/01/17						
Geotech			147	11/20/15	06/22/16						
M2K10D-GEO060F		Kansas Ave. Geotech, Field Testing & Lab work	25	11/20/15	12/29/15						
M2K10D-GEO060		Kansas Ave. Geotech, P/S and R/A DFR	50	12/30/15	03/11/16						
M2K10D-GEO100		Kansas Ave. Geotech, P/S and R/A FFR	72	03/14/16	06/22/16						
Type Selection			120	08/10/15	01/22/16						
M2K10D-030S		Kansas Ave. Type Selection Report, P/S	62	08/10/15	11/05/15						
M2K10D-030R		Kansas Ave. Type Selection Report, Authority R/A	20	11/06/15	12/07/15						
M2K10D-030AGN		Kansas Ave. Type Selection Report, 3rd Party R/A	20	11/06/15	11/25/15						
M2K10D-030CMN		Kansas Ave. Type Selection Report, Comments Resolution	10	12/08/15	12/21/15						
M2K10D-030TYPE		Kansas Ave. Type Selection Report, Meeting and Approval	21	12/22/15	01/22/16						
60% Design			120	01/25/16	07/08/16						
M2K10D-060S		Kansas Ave. 60% Bridge Design, P/S	77	01/25/16	05/11/16						
M2K10D-060R		Kansas Ave. 60% Bridge Design, Authority R/A	30	05/12/16	06/23/16						
M2K10D-060AGN		Kansas Ave. 60% Bridge Design, 3rd Party R/A	30	05/12/16	06/10/16						
M2K10D-060IND		Kansas Ave. 60% Bridge Design, Independent Check	30	05/12/16	06/23/16						
M2K10D-060CMNT		Kansas Ave. 60% Bridge Design, Comments Resolution	10	06/24/16	07/08/16						
90% Design			114	07/11/16	12/15/16						
M2K10D-090S		Kansas Ave. 90% Bridge Design, P/S	70	07/11/16	10/17/16						
M2K10D-090R		Kansas Ave. 90% Bridge Design, Authority R/A	30	10/18/16	12/01/16						
M2K10D-090AGN		Kansas Ave. 90% Bridge Design, 3rd Party R/A	30	10/18/16	11/16/16						
M2K10D-090CMNT		Kansas Ave. 90% Bridge Design, Comments Resolution	10	12/02/16	12/15/16						
RFC			50	12/16/16	03/01/17						
M2K10D-100S		Kansas Ave. RFC Bridge Design-P/S	35	12/16/16	02/07/17						
M2K10D-100R		Kansas Ave. RFC Bridge Design, Authority R/A	15	02/08/17	03/01/17						
M2K10D-100A		Kansas Ave. RFC Bridge Design-Approved	0		03/01/17						
Kent Ave. (2289+21)			407	09/21/15	04/11/17						
Geotech			147	11/06/15	06/08/16						
M2K08D-GEO060F		Kent Ave. Geotech, Field Testing & Lab work	25	11/06/15	12/14/15						
M2K08D-GEO060		Kent Ave. Geotech, P/S and R/A DFR	50	12/15/15	02/26/16						
M2K08D-GEO100		Kent Ave. Geotech, P/S and R/A FFR	72	02/29/16	06/08/16						
Type Selection			120	09/21/15	03/04/16						
M2K08D-030S		Kent Ave. Type Selection Report, P/S	62	09/21/15	12/18/15						
M2K08D-030R		Kent Ave. Type Selection Report, Authority R/A	20	12/21/15	01/20/16						
M2K08D-030AGN		Kent Ave. Type Selection Report, 3rd Party R/A	20	12/21/15	01/09/16						
M2K08D-030CMN		Kent Ave. Type Selection Report, Comments Resolution	10	01/21/16	02/03/16						
M2K08D-030TYPE		Kent Ave. Type Selection Report, Meeting and Approval	21	02/04/16	03/04/16						
60% Design			119	03/07/16	08/18/16						
M2K08D-060S		Kent Ave. 60% Bridge Design, P/S	77	03/07/16	06/22/16						
M2K08D-060R		Kent Ave. 60% Bridge Design, Authority R/A	30	06/23/16	08/04/16						
M2K08D-060AGN		Kent Ave. 60% Bridge Design, 3rd Party R/A	30	06/23/16	07/22/16						
M2K08D-060IND		Kent Ave. 60% Bridge Design, Independent Check	30	06/23/16	08/04/16						
M2K08D-060CMNT		Kent Ave. 60% Bridge Design, Comments Resolution	10	08/05/16	08/18/16						
90% Design			117	08/19/16	01/30/17						
M2K08D-090S		Kent Ave. 90% Bridge Design, P/S	70	08/19/16	11/30/16						
M2K08D-090R		Kent Ave. 90% Bridge Design, Authority R/A	30	12/01/16	01/13/17						
M2K08D-090AGN		Kent Ave. 90% Bridge Design, 3rd Party R/A	30	12/01/16	12/30/16						

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish					
					2015		2016		2017
	M2K08D-090CMNT	Kent Ave. 90% Bridge Design, Comments Resolution	10	01/17/17	01/30/17				
	RFC		50	01/31/17	04/11/17				
	M2K08D-100S	Kent Ave. RFC Bridge Design-P/S	35	01/31/17	03/21/17				
	M2K08D-100R	Kent Ave. RFC Bridge Design, Authority R/A	15	03/22/17	04/11/17				
	M2K08D-100A	Kent Ave. RFC Bridge Design-Approved	0		04/11/17				
	Special Structures		415	07/01/15	01/31/17				
	Geotech		147	10/01/15	05/03/16				
	M2SPCLD-GEO060F	Special Structures, Segment 2, Geotech, Field Testing & Lab work	25	10/01/15	11/05/15				
	M2SPCLD-GEO060E	Special Structures, Segment 2, Geotech, P/S DFR	50	11/06/15	01/21/16				
	M2SPCLD-GEO100F	Special Structures, Segment 2, Geotech, P/St FFR	72	01/22/16	05/03/16				
	Type Selection		118	07/01/15	12/11/15				
	M2SPCLD-030S	Special Structures, Segment 2, Type Selection Report, P/S	62	07/01/15	09/28/15				
	M2SPCLD-030R	Special Structures, Segment 2, Type Selection Report, Authority R/A	20	09/29/15	10/27/15				
	M2SPCLD-030AGN	Special Structures, Segment 2, Type Selection Report, 3rd Party R/A	20	09/29/15	10/18/15				
	M2SPCLD-030CMNT	Special Structures, Segment 2, Type Selection Report, Comments Resolution	10	10/28/15	11/10/15				
	M2SPCLD-030TYPE	Special Structures, Segment 2, Type Selection Report, Meeting and Approval	21	11/11/15	12/11/15				
	60% Design		122	12/14/15	05/31/16				
	M2SPCLD-060S	Special Structures, Segment 2, 60% Design, P/S	77	12/14/15	04/04/16				
	M2SPCLD-060R	Special Structures, Segment 2, 60% Design, Authority R/A	30	04/05/16	05/16/16				
	M2SPCLD-060AGN	Special Structures, Segment 2, 60% Design, 3rd Party R/A	30	04/05/16	05/04/16				
	M2SPCLD-060IND	Special Structures, Segment 2, 60% Design, Independent Check	30	04/05/16	05/16/16				
	M2SPCLD-060CMNT	Special Structures, Segment 2, 60% Design, Comments Resolution	10	05/17/16	05/31/16				
	90% Design		120	06/01/16	11/15/16				
	M2SPCLD-090S	Special Structures, Segment 2, 90% Design, P/S	77	06/01/16	09/19/16				
	M2SPCLD-090R	Special Structures, Segment 2, 90% Design, Authority R/A	30	09/20/16	10/31/16				
	M2SPCLD-090AGN	Special Structures, Segment 2, 90% Design, 3rd Party R/A	30	09/20/16	10/19/16				
	M2SPCLD-090CMNT	Special Structures, Segment 2, 90% Design, Comments Resolution	10	11/01/16	11/15/16				
	RFC		50	11/16/16	01/31/17				
	M2SPCLD-100S	Special Structures, Segment 2, RFC Design, P/S	35	11/16/16	01/09/17				
	M2SPCLD-100R	Special Structures, Segment 2, RFC Design, Authority R/A	15	01/10/17	01/31/17				
	M2SPCLD-100A	Special Structures, Segment w, RFC Design, Approved	0		01/31/17				
	Walls/Embankment/Drainage Structures		378	07/01/15	12/09/16				
	Report for 60% Submittal		147	10/01/15	05/03/16				
	M2WALGEO-100F110	Walls, Segment 2, Geotech, Field Investigations	25	10/01/15	11/05/15				
	M2WALGEO-100DR	Walls, Segment 2, Geotech, P/S and R/A DFR	50	11/06/15	01/21/16				
	M2WALGEO-100FR	Walls, Segment 2, Geotech, P/S and R/A FFR	72	01/22/16	05/03/16				
	Type Selection		63	07/01/15	09/25/15				
	M2WALD-030S	Walls, Segment 2, Type Selection Report, P/S	10	07/01/15	07/15/15				
	M2WALD-030R	Walls, Segment 2, Type Selection Report, Authority R/A	20	07/16/15	08/12/15				
	M2WALD-030AGN	Walls, Segment 2, Type Selection Report, 3rd Party R/A	20	07/16/15	08/04/15				
	M2WALD-030CMNTS	Walls, Segment 2, Type Selection Report, Comments Resolution	10	08/13/15	08/26/15				
	M2WALD-030TYPE	Walls, Segment 2, Type Selection Report, Meeting and Approval	21	08/27/15	09/25/15				
	60% Design		123	11/20/15	05/10/16				
	M2WALD-060S	Walls, Segment 2, 60% Design, P/S	77	11/20/15	03/15/16				
	M2WALD-060R	Walls, Segment 2, 60% Design, Authority R/A	30	03/16/16	04/26/16				
	M2WALD-060AGN	Walls, Segment 2, 60% Design, 3rd Party R/A	30	03/16/16	04/14/16				
	M2WALD-060CMNT	Walls, Segment 2, 60% Design, Comments Resolution	10	04/27/16	05/10/16				

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016	2017	2018	2019
		90% Design	120	04/27/16	10/11/16						
		M2WALD-090S Walls, Segment 2, 90% Design, P/S	77	04/27/16	08/15/16						
		M2WALD-090R Walls, Segment 2, 90% Design, Authority R/A	30	08/16/16	09/27/16						
		M2WALD-090AGN Walls, Segment 2, 90% Design, 3rd Party R/A	30	08/16/16	09/14/16						
		M2WALD-090CMNT Walls, Segment 2, 90% Design, Comments Resolution	10	09/28/16	10/11/16						
		RFC	50	09/28/16	12/09/16						
		M2WALD-100S Walls, Segment 2, RFC Design, P/S	35	09/28/16	11/16/16						
		M2WALD-100R Walls, Segment 2, RFC Design, Authority R/A	15	11/17/16	12/09/16						
		M2WALD-100A Walls, Segment 2, RFC Design, Approved	0		12/09/16						
		Concrete HST Bridges	531	07/01/15	07/12/17						
		HST over SJVRR H-17 (1956+90)	465	07/01/15	04/11/17						
		Geotech	147	12/15/15	07/14/16						
		M2H47AD-GEO06 Bridge H-17 (HST over SJVRR), Geotech, Field Testing & Lab work	25	12/15/15	01/21/16						
		M2H47AD-GEO06 Bridge H-17 (HST over SJVRR), Geotech, P/S and R/A DFR	50	01/22/16	04/01/16						
		M2H47AD-GEO1C Bridge H-17 (HST over SJVRR), Geotech, P/S and R/A FFR	72	04/04/16	07/14/16						
		Type Selection	135	07/01/15	01/05/16						
		M2H47AD-030S Bridge H-17 (HST over SJVRR), Type Selection Report, P/S	77	07/01/15	10/20/15						
		M2H47AD-030R Bridge H-17 (HST over SJVRR), Type Selection Report, Authority R/A	20	10/21/15	11/17/15						
		M2H47AD-030AGN Bridge H-17 (HST over SJVRR), Type Selection Report, 3rd Party R/A	20	10/21/15	11/09/15						
		M2H47AD-030CM Bridge H-17 (HST over SJVRR), Type Selection Report, Comments Resolution	10	11/18/15	12/03/15						
		M2H47AD-030TYf Bridge H-17 (HST over SJVRR), Type Selection Report, Meeting and Approval	21	12/04/15	01/05/16						
		BNSF Design Package	323	01/06/16	04/02/17						
		M2H47AD-030BN: Bridge H-17 (HST over SJVRR), BNSF Design Package, P/S	20	01/06/16	02/03/16						
		M2H47AD-030BN: Bridge H-17 (HST over SJVRR), BNSF Design Package, BNSF R/A	45	02/04/16	04/07/16						
		M2H47AD-030CPI Bridge H-17 (HST over SJVRR), BNSF Design Package, CPUC R/A	360	04/08/16	04/02/17						
		60% Design	140	02/05/16	08/18/16						
		M2H47AD-060S Bridge H-17 (HST over SJVRR), 60% Bridge Design, P/S	97	02/05/16	06/22/16						
		M2H47AD-060R Bridge H-17 (HST over SJVRR), 60% Bridge Design, Authority R/A	30	06/23/16	08/04/16						
		M2H47AD-060AGN Bridge H-17 (HST over SJVRR), 60% Bridge Design, 3rd Party R/A	30	06/23/16	07/22/16						
		M2H47AD-060IND Bridge H-17 (HST over SJVRR), 60% Bridge Design, Independent Check	40	06/23/16	08/18/16						
		M2H47AD-060CM Bridge H-17 (HST over SJVRR), 60% Bridge Design, Comments Resolution	10	08/05/16	08/18/16						
		90% Design	117	08/19/16	01/30/17						
		M2H47AD-090S Bridge H-17 (HST over SJVRR), 90% Bridge Design, P/S	70	08/19/16	11/30/16						
		M2H47AD-090R Bridge H-17 (HST over SJVRR), 90% Bridge Design, Authority R/A	30	12/01/16	01/13/17						
		M2H47AD-090AGN Bridge H-17 (HST over SJVRR), 90% Bridge Design, 3rd Party R/A	30	12/01/16	12/30/16						
		M2H47AD-090CM Bridge H-17 (HST over SJVRR), 90% Bridge Design, Comments Resolution	10	01/17/17	01/30/17						
		RFC	50	01/31/17	04/11/17						
		M2H47AD-100S Bridge H-17 (HST over SJVRR), RFC Bridge Design-P/S	35	01/31/17	03/21/17						
		M2H47AD-100R Bridge H-17 (HST over SJVRR), RFC Bridge Design, Authority R/A	15	03/22/17	04/11/17						
		M2H47AD-100A Bridge H-17 (HST over SJVRR), RFC Bridge Design-Approved	0		04/11/17						
		SR-198 Underpass H-18 (1977+30)	443	08/10/15	04/19/17						
		Geotech	147	10/01/15	05/03/16						
		M2H49D-GEO060F Bridge H-18 (HST over SR198) Geotech, Field Testing & Lab work	25	10/01/15	11/05/15						
		M2H49D-GEO060 Bridge H-18 (HST over SR198) Geotech, P/S and R/A DFR	50	11/06/15	01/21/16						
		M2H49D-GEO100 Bridge H-18 (HST over SR198) Geotech, P/S and R/A FFR	72	01/22/16	05/03/16						
		Type Selection	135	08/10/15	02/12/16						
		M2H49D-030S Bridge H-18 (HST over SR198) Type Selection Report, P/S	77	08/10/15	11/30/15						

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish										
					2015		2016		2017		2018		2019	
	M2H49D-030R	Bridge H-18 (HST over SR198) Type Selection Report, Authority R/A	20	12/01/15	12/29/15									
	M2H49D-030AGN	Bridge H-18 (HST over SR198) Type Selection Report, 3rd Party R/A	20	12/01/15	12/20/15									
	M2H49D-030CMN	Bridge H-18 (HST over SR198) Type Selection Report, Comments Resolution	10	12/30/15	01/13/16									
	M2H49D-030TYPE	Bridge H-18 (HST over SR198) Type Selection Report, Meeting and Approval	21	01/14/16	02/12/16									
	60% Design		139	02/16/16	08/26/16									
	M2H49D-060S	Bridge H-18 (HST over SR198) 60% Bridge Design, P/S	97	02/16/16	06/30/16									
	M2H49D-060R	Bridge H-18 (HST over SR198) 60% Bridge Design, Authority R/A	30	07/01/16	08/12/16									
	M2H49D-060AGN	Bridge H-18 (HST over SR198) 60% Bridge Design, 3rd Party R/A	30	07/01/16	07/30/16									
	M2H49D-060IND	Bridge H-18 (HST over SR198) 60% Bridge Design, Independent Check	30	07/01/16	08/12/16									
	M2H49D-060CMNT	Bridge H-18 (HST over SR198) 60% Bridge Design, Comments Resolution	10	08/15/16	08/26/16									
	90% Design		117	08/29/16	02/07/17									
	M2H49D-090S	Bridge H-18 (HST over SR198) 90% Bridge Design, P/S	70	08/29/16	12/08/16									
	M2H49D-090R	Bridge H-18 (HST over SR198) 90% Bridge Design, Authority R/A	30	12/09/16	01/24/17									
	M2H49D-090AGN	Bridge H-18 (HST over SR198) 90% Bridge Design, 3rd Party R/A	30	12/09/16	01/07/17									
	M2H49D-090CMNT	Bridge H-18 (HST over SR198) 90% Bridge Design, Comments Resolution	10	01/25/17	02/07/17									
	RFC		50	02/08/17	04/19/17									
	M2H49D-100S	Bridge H-18 (HST over SR198) RFC Bridge Design-P/S	35	02/08/17	03/29/17									
	M2H49D-100R	Bridge H-18 (HST over SR198) RFC Bridge Design, Authority R/A	15	03/30/17	04/19/17									
	M2H49D-100A	Bridge H-18 (HST over SR198) RFC Bridge Design-Approved	0		04/19/17									
	Grangeville Blvd H-16 (1923+40)		443	09/21/15	05/31/17									
	Geotech		147	01/22/16	08/18/16									
	M2H45D-GEO060F	Bridge H-16 (Grangeville Rd.) Geotech, Field Testing & Lab work	25	01/22/16	02/26/16									
	M2H45D-GEO060	Bridge H-16 (Grangeville Rd.) Geotech, P/S and R/A DFR	50	02/29/16	05/06/16									
	M2H45D-GEO100	Bridge H-16 (Grangeville Rd.) Geotech, P/S and R/A FFR	72	05/09/16	08/18/16									
	Type Selection		135	09/21/15	03/25/16									
	M2H45D-030S	Bridge H-16 (Grangeville Rd.) Type Selection Report, P/S	77	09/21/15	01/12/16									
	M2H45D-030R	Bridge H-16 (Grangeville Rd.) Type Selection Report, Authority R/A	20	01/13/16	02/10/16									
	M2H45D-030AGN	Bridge H-16 (Grangeville Rd.) Type Selection Report, 3rd Party R/A	20	01/13/16	02/01/16									
	M2H45D-030CMN	Bridge H-16 (Grangeville Rd.) Type Selection Report, Comments Resolution	10	02/11/16	02/25/16									
	M2H45D-030TYPE	Bridge H-16 (Grangeville Rd.) Type Selection Report, Meeting and Approval	21	02/26/16	03/25/16									
	60% Design		140	03/28/16	10/07/16									
	M2H45D-060S	Bridge H-16 (Grangeville Rd.) 60% Bridge Design, P/S	97	03/28/16	08/11/16									
	M2H45D-060R	Bridge H-16 (Grangeville Rd.) 60% Bridge Design, Authority R/A	30	08/12/16	09/23/16									
	M2H45D-060AGN	Bridge H-16 (Grangeville Rd.) 60% Bridge Design, 3rd Party R/A	30	08/12/16	09/10/16									
	M2H45D-060IND	Bridge H-16 (Grangeville Rd.) 60% Bridge Design, Independent Check	40	08/12/16	10/07/16									
	M2H45D-060CMNT	Bridge H-16 (Grangeville Rd.) 60% Bridge Design, Comments Resolution	10	09/26/16	10/07/16									
	90% Design		117	10/10/16	03/21/17									
	M2H45D-090S	Bridge H-16 (Grangeville Rd.) 90% Bridge Design, P/S	70	10/10/16	01/23/17									
	M2H45D-090R	Bridge H-16 (Grangeville Rd.) 90% Bridge Design, Authority R/A	30	01/24/17	03/07/17									
	M2H45D-090AGN	Bridge H-16 (Grangeville Rd.) 90% Bridge Design, 3rd Party R/A	30	01/24/17	02/22/17									
	M2H45D-090CMNT	Bridge H-16 (Grangeville Rd.) 90% Bridge Design, Comments Resolution	10	03/08/17	03/21/17									
	RFC		50	03/22/17	05/31/17									
	M2H45D-100S	Bridge H-16 (Grangeville Rd.) RFC Bridge Design-P/S	35	03/22/17	05/09/17									
	M2H45D-100R	Bridge H-16 (Grangeville Rd.) RFC Bridge Design, Authority R/A	15	05/10/17	05/31/17									
	M2H45D-100A	Bridge H-16 (Grangeville Rd.) RFC Bridge Design-Approved	0		05/31/17									
	Cross-Creek Bridge K-3 (2481+00)		425	11/02/15	07/12/17									
	Geotech		147	02/22/16	09/16/16									

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016	2017	2018	2019	
		M2K13D-GEO060F	Bridge K-3 (Cross Creek) Geotech, Field Testing & Lab work	25	02/22/16	03/25/16						
		M2K13D-GEO060	Bridge K-3 (Cross Creek) Geotech, P/S and R/A DFR	50	03/28/16	06/06/16						
		M2K13D-GEO100	Bridge K-3 (Cross Creek) Geotech, P/S and R/A FFR	72	06/07/16	09/16/16						
		Type Selection			128	11/02/15	05/05/16					
		M2K13D-030S	Bridge K-3 (Cross Creek) Type Selection Report, P/S	77	11/02/15	02/24/16						
		M2K13D-030R	Bridge K-3 (Cross Creek) Type Selection Report, Authority R/A	20	02/25/16	03/23/16						
		M2K13D-030AGN	Bridge K-3 (Cross Creek) Type Selection Report, 3rd Party R/A	20	02/25/16	03/23/16						
		M2K13D-030CMN	Bridge K-3 (Cross Creek) Type Selection Report, Comments Resolution	10	03/24/16	04/06/16						
		M2K13D-030TYPE	Bridge K-3 (Cross Creek) Type Selection Report, Meeting and Approval	21	04/07/16	05/05/16						
		60% Design			137	05/06/16	11/18/16					
		M2K13D-060S	Bridge K-3 (Cross Creek) 60% Bridge Design, P/S	97	05/06/16	09/22/16						
		M2K13D-060R	Bridge K-3 (Cross Creek) 60% Bridge Design, Authority R/A	30	09/23/16	11/03/16						
		M2K13D-060AGN	Bridge K-3 (Cross Creek) 60% Bridge Design, 3rd Party R/A	30	09/23/16	11/03/16						
		M2K13D-060IND	Bridge K-3 (Cross Creek) 60% Bridge Design, Independent Check	30	09/23/16	11/03/16						
		M2K13D-060CMNT	Bridge K-3 (Cross Creek) 60% Bridge Design, Comments Resolution	10	11/04/16	11/18/16						
		90% Design			110	11/21/16	05/01/17					
		M2K13D-090S	Bridge K-3 (Cross Creek) 90% Bridge Design, P/S	70	11/21/16	03/06/17						
		M2K13D-090R	Bridge K-3 (Cross Creek) 90% Bridge Design, Authority R/A	30	03/07/17	04/17/17						
		M2K13D-090AGN	Bridge K-3 (Cross Creek) 90% Bridge Design, 3rd Party R/A	30	03/07/17	04/17/17						
		M2K13D-090CMNT	Bridge K-3 (Cross Creek) 90% Bridge Design, Comments Resolution	10	04/18/17	05/01/17						
		RFC			50	05/02/17	07/12/17					
		M2K13D-100S	Bridge K-3 (Cross Creek) RFC Bridge Design-P/S	35	05/02/17	06/20/17						
		M2K13D-100R	Bridge K-3 (Cross Creek) RFC Bridge Design, Authority R/A	15	06/21/17	07/12/17						
		M2K13D-100A	Bridge K-3 (Cross Creek) RFC Bridge Design-Approved	0		07/12/17						
		Concrete Culvert			445	07/01/15	03/14/17					
		Baker Access			445	07/01/15	03/14/17					
		Geotech			147	12/15/15	07/14/16					
		M2H50D-GEO060F	Box H-19 (Baker Access) Geotech, Field Testing & Lab work	25	12/15/15	01/21/16						
		M2H50D-GEO060	Box H-19 (Baker Access) Geotech, P/S and R/A DFR	50	01/22/16	04/01/16						
		M2H50D-GEO100	Box H-19 (Baker Access) Geotech, P/S and R/A FFR	72	04/04/16	07/14/16						
		Type Selection			118	07/01/15	12/11/15					
		M2H50D-030S	Box H-19 (Baker Access) Type Selection Report, P/S	62	07/01/15	09/28/15						
		M2H50D-030R	Box H-19 (Baker Access) Type Selection Report, Authority R/A	20	09/29/15	10/27/15						
		M2H50D-030AGN	Box H-19 (Baker Access) Type Selection Report, 3rd Party R/A	20	09/29/15	10/18/15						
		M2H50D-030CMN	Box H-19 (Baker Access) Type Selection Report, Comments Resolution	10	10/28/15	11/10/15						
		M2H50D-030TYPE	Box H-19 (Baker Access) Type Selection Report, Meeting and Approval	21	11/11/15	12/11/15						
		60% Design			120	02/05/16	07/21/16					
		M2H50D-060S	Box H-19 (Baker Access) 60% Bridge Design, P/S	77	02/05/16	05/24/16						
		M2H50D-060R	Box H-19 (Baker Access) 60% Bridge Design, Authority R/A	30	05/25/16	07/07/16						
		M2H50D-060AGN	Box H-19 (Baker Access) 60% Bridge Design, 3rd Party R/A	30	05/25/16	06/23/16						
M2H50D-060IND	Box H-19 (Baker Access) 60% Bridge Design, Independent Check	30	05/25/16	07/07/16								
M2H50D-060CMNT	Box H-19 (Baker Access) 60% Bridge Design, Comments Resolution	10	07/08/16	07/21/16								
90% Design			115	07/22/16	12/29/16							
M2H50D-090S	Box H-19 (Baker Access) 90% Bridge Design, P/S	70	07/22/16	10/28/16								
M2H50D-090R	Box H-19 (Baker Access) 90% Bridge Design, Authority R/A	30	10/31/16	12/14/16								
M2H50D-090AGN	Box H-19 (Baker Access) 90% Bridge Design, 3rd Party R/A	30	10/31/16	11/29/16								
M2H50D-090CMNT	Box H-19 (Baker Access) 90% Bridge Design, Comments Resolution	10	12/15/16	12/29/16								

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016		2017		2018		2019	
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Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish										
					2015		2016		2017		2018		2019	
	M2H35S-1020	Dover Ave., Foundations	8	05/11/17	05/22/17									
	M2H35S-1040	Dover Ave., F/R/P Columns	20	05/18/17	06/15/17									
	M2H35S-1050	Dover Ave., F/R/P Bent Caps	20	05/25/17	06/22/17									
	M2H35S-1080	Dover Ave., Cure Concrete for Precast	21	06/23/17	07/13/17									
	M2H35S-1110	Dover Ave., Place Precast Girders	2	07/14/17	07/17/17									
	M2H35S-1120	Dover Ave., Deck Rebar/Forms & Pour	8	07/18/17	07/27/17									
	Access Road		77	07/21/17	11/07/17									
	M2H35S-1090	Dover Ave., Build Embankments to Final Grade	43	07/21/17	09/20/17									
	M2H35S-1130	Dover Ave., Deck & Road Pavements	25	09/21/17	10/25/17									
	M2H35S-1100	Dover Ave., Hydroseed Embankments	5	09/21/17	09/27/17									
	M2H35S-1140	Dover Ave., Landscape/Permanent BMPS/Fencing	22	10/09/17	11/07/17									
	M2H35S-9000	Dover Ave., Open for Traffic & Ready for Track work	0		11/07/17									
	Track		136	09/11/17	03/19/18									
	M2H35TE-110	Dover Ave. (H-1650+00 to H-1660+00), HST Track Common Fill	5	09/11/17	09/15/17									
	M2H35TE-120	Dover Ave. (H-1650+00 to H-1660+00), HST Track Common Fill, Surcharge Wait	180	09/16/17	03/14/18									
	M2H35TE-130	Dover Ave. (H-1650+00 to H-1660+00), HST Track Subgrade	2	03/15/18	03/16/18									
	M2H35TE-140	Dover Ave. (H-1650+00 to H-1660+00), HST Track AC	1	03/19/18	03/19/18									
	H-1660+00 to H-1700+00		288	11/15/16	12/21/17									
	Grubb and Demolition		5	11/15/16	11/21/16									
	M2H36C-1000	H-1660+00 to H-1700+00, Clear & Grubb	5	11/15/16	11/21/16									
	RCBC & Irrigation Relocation		80	11/22/16	03/21/17									
	M2H36BC-100	H-1660+00 to H-1700+00, Precast Irrigation Culverts and Canal/Ditch Work	80	11/22/16	03/21/17									
	Track		168	05/02/17	12/21/17									
	M2H36TE-110	H-1660+00 to H-1700+00, HST Track Common Fill	27	05/02/17	06/08/17									
	M2H36TE-120	H-1660+00 to H-1700+00, HST Track Common Fill, Surcharge Wait	180	06/09/17	12/05/17									
	M2H36TE-130	H-1660+00 to H-1700+00, HST Track Subgrade	8	12/06/17	12/15/17									
	M2H36TE-140	H-1660+00 to H-1700+00, HST Track AC	4	12/18/17	12/21/17									
	H-1700+00 to H-1710+00(Excelsior)		206	11/08/17	08/22/18									
	Grubb and Demolition		5	11/08/17	11/15/17									
	M2H37C-1000	Excelsior Ave. (H-1700+00 to H-1710+00), Clear & Grubb	5	11/08/17	11/15/17									
	Structure (1 Span)		59	11/16/17	02/06/18									
	M2H37S-1020	Excelsior Ave., Foundations	8	11/16/17	11/29/17									
	M2H37S-0001	Excelsior Ave., Start Structure	0	11/16/17										
	M2H37S-1040	Excelsior Ave., F/R/P Columns	20	11/27/17	12/22/17									
	M2H37S-1050	Excelsior Ave., F/R/P Bent Caps	20	12/04/17	01/02/18									
	M2H37S-1080	Excelsior Ave., Cure Concrete for Precast	21	01/03/18	01/23/18									
	M2H37S-1110	Excelsior Ave., Place Precast Girders	2	01/24/18	01/25/18									
	M2H37S-1120	Excelsior Ave., Deck Rebar/Forms & Pour	8	01/26/18	02/06/18									
	Access Road		80	05/01/18	08/22/18									
	M2H37S-1090	Excelsior Ave., Build Embankments to Final Grade	51	05/01/18	07/12/18									
	M2H37S-1130	Excelsior Ave., Deck & Road Pavements	21	07/13/18	08/10/18									
	M2H37S-1100	Excelsior Ave., Hydroseed Embankments	5	07/13/18	07/19/18									
	M2H37S-1140	Excelsior Ave., Landscape/Permanent BMPS/Fencing	18	07/30/18	08/22/18									
	M2H37S-9000	Excelsior Ave., Open for Traffic & Ready for Track work	0		08/22/18									
	Track		138	02/07/18	08/17/18									
	M2H37TE-110	Excelsior Ave. (H-1700+00 to H-1710+00), HST Track Common Fill	7	02/07/18	02/15/18									
	M2H37TE-120	Excelsior Ave. (H-1700+00 to H-1710+00), HST Track Common Fill, Surcharge ...	180	02/16/18	08/14/18									

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish	2015		2016		2017		2018		2019	
	M2H37TE-130	Excelsior Ave. (H-1700+00 to H-1710+00), HST Track Subgrade	2	08/15/18	08/16/18									
	M2H37TE-140	Excelsior Ave. (H-1700+00 to H-1710+00), HST Track AC	1	08/17/18	08/17/18									
	H-1710+00 to H-1755+00		194	11/15/16	08/11/17									
	Grubb and Demolition		5	11/15/16	11/21/16									
	M2H38C-1000	H-1710+00 to H-1755+00, Clear & Grubb	5	11/15/16	11/21/16									
	Track		180	12/05/16	08/11/17									
	M2H38TE-110	H-1710+00 to H-1755+00, HST Track Common Fill	35	12/05/16	01/25/17									
	M2H38TE-120	H-1710+00 to H-1755+00, HST Track Common Fill, Surcharge Wait	180	01/26/17	07/24/17									
	M2H38TE-130	H-1710+00 to H-1755+00, HST Track Subgrade	9	07/25/17	08/04/17									
	M2H38TE-140	H-1710+00 to H-1755+00, HST Track AC	5	08/07/17	08/11/17									
	H-1755+00 to H-1765+00 (Elder)		306	03/17/17	05/18/18									
	Grubb and Demolition		5	03/17/17	03/23/17									
	M2H39C-1000	Elder Ave. (H-1755+00 to H-1765+00), Clear & Grubb	5	03/17/17	03/23/17									
	Structure (1 Span)		56	03/24/17	06/09/17									
	M2H39S-1020	Elder Ave., Foundations	8	03/24/17	04/04/17									
	M2H39S-0001	Elder Ave., Start Structure	0	03/24/17										
	M2H39S-1040	Elder Ave., F/R/P Columns	20	03/31/17	04/27/17									
	M2H39S-1050	Elder Ave., F/R/P Bent Caps	20	04/07/17	05/04/17									
	M2H39S-1080	Elder Ave., Cure Concrete for Precast	21	05/05/17	05/25/17									
	M2H39S-1110	Elder Ave., Place Precast Girders	2	05/26/17	05/30/17									
	M2H39S-1120	Elder Ave., Deck Rebar/Forms & Pour	8	05/31/17	06/09/17									
	Access Road		261	05/05/17	05/18/18									
	M2H39S-1090	Elder Ave., Build Embankments to Final Grade	53	05/05/17	07/20/17									
	M2H39S-1130	Elder Ave., Deck & Roads Pavements	21	07/21/17	08/18/17									
	M2H39S-1100	Elder Ave., Hydroseed Embankments	5	07/21/17	07/27/17									
	M2H39S-1140	Elder Ave., Landscape/Permanent BMPS/Fencing	17	08/07/17	08/29/17									
	M2H39S-9000	Elder Ave., Open for Traffic & Ready for Track work	0		05/18/18									
	Track		136	06/12/17	12/18/17									
	M2H39TE-110	Elder Ave. (H-1755+00 to H-1765+00), HST Track Common Fill	5	06/12/17	06/16/17									
	M2H39TE-120	Elder Ave. (H-1755+00 to H-1765+00), HST Track Common Fill, Surcharge Wait	180	06/17/17	12/13/17									
	M2H39TE-130	Elder Ave. (H-1755+00 to H-1765+00), HST Track Subgrade	2	12/14/17	12/15/17									
	M2H39TE-140	Elder Ave. (H-1755+00 to H-1765+00), HST Track AC	1	12/18/17	12/18/17									
	H-1765+00 to H-1810+00		219	11/15/16	09/15/17									
	Grubb and Demolition		5	11/15/16	11/21/16									
	M2H40C-1000	H-1765+00 to H-1810+00, Clear & Grubb	5	11/15/16	11/21/16									
	Track		167	01/26/17	09/15/17									
	M2H40TE-110	H-1765+00 to H-1810+00, HST Track Common Fill	23	01/26/17	02/28/17									
	M2H40TE-120	H-1765+00 to H-1810+00, HST Track Common Fill, Surcharge Wait	180	03/01/17	08/27/17									
	M2H40TE-130	H-1765+00 to H-1810+00, HST Track Subgrade	9	08/28/17	09/08/17									
	M2H40TE-140	H-1765+00 to H-1810+00, HST Track AC	5	09/11/17	09/15/17									
H-1810+00 to H-1820+00 (Flint)		229	05/21/18	04/04/19										
Grubb and Demolition		6	05/21/18	05/29/18										
M2H41C-1000	E. Flint Ave., Clear & Grubb, H-1810+00 to H-1820+00	6	05/21/18	05/29/18										
Structure (1 Span)		56	05/30/18	08/15/18										
M2H41S-1020	E. Flint Ave., Foundations	8	05/30/18	06/08/18										
M2H41S-0001	E. Flint Ave. Ave., Start Structure	0	05/30/18											
M2H41S-1040	E. Flint Ave., F/R/P Columns	20	06/06/18	07/03/18										

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish										
					2015		2016		2017		2018		2019	
	M2H41S-1050	E. Flint Ave., F/R/P Bent Caps	20	06/13/18	07/11/18									
	M2H41S-1080	E. Flint Ave., Cure Concrete for Precast	21	07/12/18	08/01/18									
	M2H41S-1110	E. Flint Ave., Place Precast Girders	2	08/02/18	08/03/18									
	M2H41S-1120	E. Flint Ave., Deck Rebar/Forms & Pour	8	08/06/18	08/15/18									
	Access Roads		70	07/13/18	10/19/18									
	M2H41S-1090	E. Flint Ave., Build Embankments to Final Grade	43	07/13/18	09/12/18									
	M2H41S-1130	E. Flint Ave., Deck & Road Pavements	20	09/13/18	10/10/18									
	M2H41S-1100	E. Flint Ave., Hydroseed Embankments	5	09/13/18	09/19/18									
	M2H41S-1140	E. Flint Ave., Landscape/Permanent BMPS/Fencing	17	09/27/18	10/19/18									
	M2H41S-9000	E. Flint Ave., Open for Traffic & Ready for Track work	0		10/19/18									
	Track		135	09/28/18	04/04/19									
	M2H41TE-110	E. Flint Ave.(H-1810+00 to H-1820+00), HST Track Common Fill	4	09/28/18	10/03/18									
	M2H41TE-120	E. Flint Ave.(H-1810+00 to H-1820+00), HST Track Common Fill, Surcharge Wait	180	10/04/18	04/01/19									
	M2H41TE-130	E. Flint Ave.(H-1810+00 to H-1820+00), HST Track Subgrade	2	04/02/19	04/03/19									
	M2H41TE-140	E. Flint Ave.(H-1810+00 to H-1820+00), HST Track AC	1	04/04/19	04/04/19									
	H-1820+00 to H-1865+00		314	07/21/16	10/03/17									
	Grubb and Demolition		86	07/21/16	11/21/16									
	M2H42C-1010	H-1820+00 to H-1865+00, Demolition	20	07/21/16	08/17/16									
	M2H42C-1000	H-1820+00 to H-1865+00, Clear & Grubb	5	11/15/16	11/21/16									
	RCBC & Irrigation Relocation		15	11/22/16	12/14/16									
	M2H42BCA-100	H-1820+00 to H-1865+00, Precast Irrigation Culverts and Canal/Ditch Work	15	11/22/16	12/14/16									
	Track		155	03/01/17	10/03/17									
	M2H42TE-110	H-1820+00 to H-1865+00, HST Track Common Fill	13	03/01/17	03/17/17									
	M2H42TE-120	H-1820+00 to H-1865+00, HST Track Common Fill, Surcharge Wait	180	03/18/17	09/13/17									
	M2H42TE-130	H-1820+00 to H-1865+00, HST Track Subgrade	9	09/14/17	09/26/17									
	M2H42TE-140	H-1820+00 to H-1865+00, HST Track AC	5	09/27/17	10/03/17									
	H-1865+00 to H-1875+00 (Fargo)		239	05/30/18	04/29/19									
	Grubb and Demolition		28	05/30/18	07/09/18									
	M2H43C-1010	Fargo Ave.(H-1865+00 to 1875+00), Demolition	23	05/30/18	06/29/18									
	M2H43C-1000	Fargo Ave.(H-1865+00 to 1875+00), Clear & Grubb	5	07/02/18	07/09/18									
	Structure (2 Span)		75	07/10/18	10/22/18									
	M2H43S-1020	Fargo Ave., Foundations	12	07/10/18	07/25/18									
	M2H43S-0001	Fargo Ave., Start Structure	0	07/10/18										
	M2H43S-1040	Fargo Ave., F/R/P Columns	30	07/17/18	08/27/18									
	M2H43S-1050	Fargo Ave., F/R/P Bent Caps	30	07/24/18	09/04/18									
	M2H43S-1080	Fargo Ave., Cure Concrete for Precast	21	09/05/18	09/25/18									
	M2H43S-1110	Fargo Ave., Place Precast Girders	4	09/26/18	10/01/18									
	M2H43S-1120	Fargo Ave., Deck Rebar/Forms & Pour	15	10/02/18	10/22/18									
	Access Roads		64	12/07/18	03/12/19									
	M2H43S-1090	Fargo Ave., Build Embankments to Final Grade	36	12/07/18	01/30/19									
	M2H43S-1130	Fargo Ave., Deck & Road Pavements	20	01/31/19	02/28/19									
	M2H43S-1100	Fargo Ave., Hydroseed Embankments	5	01/31/19	02/06/19									
	M2H43S-1140	Fargo Ave., Landscape/Permanent BMPS/Fencing	17	02/15/19	03/12/19									
	M2H43S-9000	Fargo Ave., Open for Traffic & Ready for Track work	0		03/12/19									
	Track		135	10/23/18	04/29/19									
	M2H43TE-110	Fargo Ave., (H-1865+00 to 1875+00), HST Track Common Fill	4	10/23/18	10/26/18									
	M2H43TE-120	Fargo Ave., (H-1865+00 to 1875+00), HST Track Common Fill, Surcharge Wait	180	10/27/18	04/24/19									

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish	2015		2016		2017		2018		2019	
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Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish										
					2015		2016		2017		2018		2019	
M2H47C-1060	SJVRR Track (H-1950+00 to H-1960+00), Remove Shoofly & Restore	30	03/28/18	05/08/18										
SR43 over SJVRR		145	01/30/17	08/18/17										
Grubb and Demolition		15	01/30/17	02/17/17										
M2H47BC-1010	SR-43 over SJVRR, Construct Detour	15	01/30/17	02/17/17										
Structure (3 Span)		119	02/21/17	08/04/17										
M2H47BS-1010	SR-43 over SJVRR, Excavate to Foundations	20	02/21/17	03/20/17										
M2H47BS-0001	SR-43 over SJVRR, Start Structure	0	02/21/17											
M2H47BS-1020	SR-43 over SJVRR, Foundations	26	04/05/17	05/10/17										
M2H47BS-1040	SR-43 over SJVRR, F/R/P Columns	40	04/12/17	06/07/17										
M2H47BS-1050	SR-43 over SJVRR, F/R/P Bent Caps	40	04/19/17	06/14/17										
M2H47BS-1080	SR-43 over SJVRR, Cure Concrete for Precast	21	06/15/17	07/05/17										
M2H47BS-1110	SR-43 over SJVRR, Place Precast Girders	4	07/06/17	07/11/17										
M2H47BS-1120	SR-43 over SJVRR, Deck Rebar/Forms & Pour	18	07/12/17	08/04/17										
Access Road		10	08/07/17	08/18/17										
M2H47BS-1140	SR-43 over SJVRR, Landscaping/Permanent BMP/Fencing	10	08/07/17	08/18/17										
M2H47BS-9000	SR-43 over SJVRR, Open for Traffic	0		08/18/17										
Bridge H-17 (HST over SJVRR)		298	04/12/17	06/01/18										
Structure (1 Span CIP Box)		160	04/12/17	11/29/17										
M2H47AS-0001	Bridge H-17 (HST over SJVRR), Start Structure	0	04/12/17											
M2H47AS-1010	Bridge H-17 (HST over SJVRR), Foundations	22	05/23/17	06/22/17										
M2H47AS-1030	Bridge H-17 (HST over SJVRR), Wing Walls	14	06/23/17	07/13/17										
M2H47AS-1020	Bridge H-17 (HST over SJVRR), Abutments	16	09/29/17	10/20/17										
M2H47AS-1050	Bridge H-17 (HST over SJVRR), F/R/P Box Section	25	10/23/17	11/29/17										
M2H47AS-9000	Bridge H-17 (HST over SJVRR), Bridge Complete	0		11/29/17										
Track		132	11/30/17	06/01/18										
M2H47ATE-110	H-1950+00 to H-1960+00, HST Track Common Fill	1	11/30/17	11/30/17										
M2H47ATE-120	H-1950+00 to H-1960+00, HST Track Common Fill, Surcharge Wait	180	12/01/17	05/29/18										
M2H47ATE-130	H-1950+00 to H-1960+00, HST Track Subgrade	2	05/30/18	05/31/18										
M2H47ATE-140	H-1950+00 to H-1960+00, HST Track AC	1	06/01/18	06/01/18										
H-1960+00 to H-1975+00		171	07/28/17	03/23/18										
Grubb and Demolition		35	07/28/17	09/15/17										
M2H48C-1010	H-1960+00 to H-1975+00, Demolition	30	07/28/17	09/08/17										
M2H48C-1000	H-1960+00 to H-1975+00, Clear & Grubb	5	09/11/17	09/15/17										
Track		135	09/18/17	03/23/18										
M2H48TE-110	H-1960+00 to H-1975+00, HST Track Common Fill	1	09/18/17	09/18/17										
M2H48TE-120	H-1960+00 to H-1975+00, HST Track Common Fill, Surcharge Wait	180	09/19/17	03/17/18										
M2H48TE-130	H-1960+00 to H-1975+00, HST Track Subgrade	3	03/19/18	03/21/18										
M2H48TE-140	H-1960+00 to H-1975+00, HST Track AC	2	03/22/18	03/23/18										
Bridge H-18 (HST over SR198)		418	08/21/17	03/27/19										
M2H49-0001	Bridge H-18 (HST over SR198), Start Work	0	08/21/17											
M2H49-0010	Bridge H-18 (HST over SR198), Foundation Testing	15	01/31/18	02/21/18										
Grubb and Demolition		5	08/21/17	08/25/17										
M2H49C-1000	Bridge H-18 (HST over SR198), Clear & Grubb	5	08/21/17	08/25/17										
Structure		94	02/22/18	07/03/18										
M2H49S-1010	Bridge H-18 (HST over SR198), Foundations	14	02/22/18	03/13/18										
M2H49S-1020	Bridge H-18 (HST over SR198), Abutments	16	04/25/18	05/16/18										
M2H49S-1040	Bridge H-18 (HST over SR198), F/R/P Columns	20	05/17/18	06/14/18										

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish										
					2015		2016		2017		2018		2019	
	M2H49S-1050	Bridge H-18 (HST over SR198), F/R/P Bent Caps	10	05/24/18	06/07/18									
	M2H49S-1080	Bridge H-18 (HST over SR198), Cure Concrete	21	06/08/18	06/28/18									
	M2H49S-1110	Bridge H-18 (HST over SR198), Place Precast Girders	3	06/29/18	07/03/18									
	M2H49S-9000	Bridge H-18 (HST over SR198), Bridge Complete	0		07/03/18									
	RCBC & Irrigation Relocation		10	08/24/18	09/07/18									
	M2H49BC-100	Bridge H-18 (HST over SR198) (H-1975+00 to H-1980+00), Precast Irrigation C...	10	08/24/18	09/07/18									
	Roadway		140	08/28/17	03/21/18									
	M2H49RW-1000	Bridge H-18 (HST over SR198), Construct Temporary Roadway	30	08/28/17	10/09/17									
	M2H49RW-1100	Bridge H-18 (HST over SR198), Excavate/Pave WB Roadway	50	10/10/17	12/21/17									
	M2H49RW-1200	Bridge H-18 (HST over SR198), Move Traffic to WB and Remove Tempary Roa...	10	12/22/17	01/08/18									
	M2H49RW-1210	Bridge H-18 (HST over SR198), Excavate/Pave EB Roadway	50	01/09/18	03/21/18									
	Track		159	08/17/18	03/27/19									
	M2H49TE-110	Bridge H-18 (HST over SR198) (H-1975+00 to H-1980+00), HST Track Commo...	25	08/17/18	09/21/18									
	M2H49TE-120	Bridge H-18 (HST over SR198) (1975+00 to 1980+00), HST Track Common Fill,...	180	09/22/18	03/20/19									
	M2H49TE-130	Bridge H-18 (HST over SR198) (1975+00 to 1980+00), HST Track Subgrade	3	03/21/19	03/25/19									
	M2H49TE-140	Bridge H-18 (HST over SR198) (1975+00 to 1980+00), HST Track AC	2	03/26/19	03/27/19									
	H-1980+00 to H-2025+00		286	01/03/17	02/06/18									
	Grubb and Demolition		20	01/03/17	01/31/17									
	M2H50C-1010	H-2008+00 to H-2011+00, Demolition	15	01/03/17	01/24/17									
	M2H50C-1000	H-1980+00 to H-2025+00, Clear & Grubb	5	01/25/17	01/31/17									
	Structure		40	03/15/17	05/09/17									
	M2H50S-1000	Box H-19 (Baker Access), H-1980+00 to H-2025+00, CIP Box Culvert and Walls	40	03/15/17	05/09/17									
	RCBC & Irrigation Relocation		40	02/01/17	03/29/17									
	M2H50BCA-100	H-1980+00 to H-2025+00, Precast Irrigation Culverts and Canal/Ditch Work	40	02/01/17	03/29/17									
	Track		165	06/21/17	02/06/18									
	M2H50TE-110	H-1980+00 to H-2025+00, HST Track Common Fill	22	06/21/17	07/21/17									
	M2H50TE-120	H-1980+00 to H-2025+00, HST Track Common Fill, Surcharge Wait	180	07/22/17	01/17/18									
	M2H50TE-130	H-1980+00 to H-2025+00, HST Track Subgrade	9	01/18/18	01/30/18									
	M2H50TE-140	H-1980+00 to H-2025+00, HST Track AC	5	01/31/18	02/06/18									
	H-2025+00 to H-2035+00 (Hanford)		226	05/21/18	04/01/19									
	Grubb and Demolition		25	05/21/18	06/25/18									
	M2H51C-1010	Hanford Arm. Rd (H-2025+00 to H-2031+00), Demolition	20	05/21/18	06/18/18									
	M2H51C-1000	Hanford Arm. Rd (H-2025+00 to H-2031+00), Clear & Grubb	5	06/19/18	06/25/18									
	Structure (1 Span)		57	06/26/18	09/12/18									
	M2H51S-1020	Hanford Arm. Rd, Foundations	8	06/26/18	07/06/18									
	M2H51S-0001	Hanford Arm. Rd, Start Structure	0	06/26/18										
	M2H51S-1040	Hanford Arm. Rd, F/R/P Columns	20	07/03/18	07/31/18									
	M2H51S-1050	Hanford Arm. Rd, F/R/P Bent Caps	20	07/11/18	08/07/18									
	M2H51S-1080	Hanford Arm. Rd, Cure Concrete for Precast	21	08/08/18	08/28/18									
	M2H51S-1110	Hanford Arm. Rd, Place Precast Girders	2	08/29/18	08/30/18									
	M2H51S-1120	Hanford Arm. Rd, Deck Rebar/Forms & Pour	8	08/31/18	09/12/18									
	Access Road		76	09/13/18	01/03/19									
	M2H51S-1090	Hanford Arm. Rd, Build Embankments to Final Grade + box culvert	58	09/13/18	12/06/18									
	M2H51S-1130	Hanford Arm. Rd, Deck & Road Pavements	6	12/07/18	12/14/18									
	M2H51S-1100	Hanford Arm. Rd, Hydroseed Embankments	5	12/07/18	12/13/18									
	M2H51S-1140	Hanford Arm. Rd, Landscape/Permanent BMPS/Fencing	15	12/12/18	01/03/19									
	M2H51S-9000	Hanford Arm. Rd, Open for Traffic & Ready for Track work	0		01/03/19									

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016		2017		2018		2019	
		RCBC & Irrigation Relocation		20	06/26/18	07/24/18									
		M2H51BCA-100	Hanford Arm. Rd (H-2025+00 to H-2035+00), Precast Irrigation Culverts and Ca...	20	06/26/18	07/24/18									
		Track		136	09/24/18	04/01/19									
		M2H51TE-110	Hanford Arm. Rd (H-2025+00 to H-2035+00), HST Track Common Fill	4	09/24/18	09/27/18									
		M2H51TE-120	Hanford Arm. Rd (H-2025+00 to H-2035+00), HST Track Common Fill, Surcharg...	180	09/28/18	03/26/19									
		M2H51TE-130	Hanford Arm. Rd (H-2025+00 to H-2035+00), HST Track Subgrade	3	03/27/19	03/29/19									
		M2H51TE-140	Hanford Arm. Rd (H-2025+00 to H-2035+00), HST Track AC	1	04/01/19	04/01/19									
		H-2035+00 to H-2080+00		344	11/15/16	03/09/18									
		Grubb and Demolition		5	11/15/16	11/21/16									
		M2H52C-1000	H-2035+00 to H-2080+00, Clear & Grubb	5	11/15/16	11/21/16									
		Track		165	07/24/17	03/09/18									
		M2H52TE-110	H-2035+00 to H-2080+00, HST Track Common Fill	22	07/24/17	08/22/17									
		M2H52TE-120	H-2035+00 to H-2080+00, HST Track Common Fill, Surcharge Wait	180	08/23/17	02/18/18									
		M2H52TE-130	H-2035+00 to H-2080+00, HST Track Subgrade	9	02/20/18	03/02/18									
		M2H52TE-140	H-2035+00 to H-2080+00, HST Track AC	5	03/05/18	03/09/18									
		H-2080+00 to H-2090+00 (Houston)		302	08/21/17	10/16/18									
		Grubb and Demolition		5	08/21/17	08/25/17									
		M2H53C-1000	Houston Ave. (H-2080+00 to H-2090+00), Clear & Grubb	5	08/21/17	08/25/17									
		Structure (6 Span)		141	08/28/17	03/12/18									
		M2H53S-1020	Houston Ave., Foundations	23	08/28/17	09/28/17									
		M2H53S-0001	Houston Ave., Start Structure	0	08/28/17										
		M2H53S-1040	Houston Ave., F/R/P Columns	70	09/05/17	12/14/17									
		M2H53S-1050	Houston Ave., F/R/P Bent Caps	70	09/12/17	12/21/17									
		M2H53S-1080	Houston Ave., Cure Concrete for Precast	21	12/22/17	01/11/18									
		M2H53S-1110	Houston Ave., Place Precast Girders	7	01/12/18	01/23/18									
		M2H53S-1120	Houston Ave., Deck Rebar/Forms & Pour	33	01/24/18	03/12/18									
		Access Road		102	12/22/17	05/18/18									
		M2H53S-1090	Houston Ave., Build Embankments to Final Grade	31	12/22/17	02/07/18									
		M2H53S-1100	Houston Ave., Hydroseed Embankments	5	02/08/18	02/14/18									
		M2H53S-1130	Houston Ave., Deck & Road Pavements	17	03/13/18	04/04/18									
		M2H53S-1140	Houston Ave., Landscape/Permanent BMPS/Fencing	15	03/26/18	04/13/18									
		M2H53S-9000	Houston Ave., Open for Traffic & Ready for Track work	0		05/18/18									
		Track		156	03/13/18	10/16/18									
		M2H53TE-110	Houston Ave. (H-2080+00 to H-2090+00), HST Track Common Fill	4	03/13/18	03/16/18									
		M2H53TE-120	Houston Ave. (H-2080+00 to H-2090+00), HST Track Common Fill, Surcharge ...	180	03/17/18	09/12/18									
		M2H53TE-130	Houston Ave. (H-2080+00 to H-2090+00), HST Track Subgrade	2	10/12/18	10/15/18									
		M2H53TE-140	Houston Ave. (H-2080+00 to H-2090+00), HST Track AC	1	10/16/18	10/16/18									
		H-2090+00 to H-2130+00		164	11/15/16	06/30/17									
		Grubb and Demolition		5	11/15/16	11/21/16									
		M2H54C-1000	H-2090+00 to H-2130+00, Clear & Grubb	5	11/15/16	11/21/16									
RCBC & Irrigation Relocation		15	11/17/16	12/09/16											
M2H54BC-100	H-2090+00 to H-2130+00, Prep/Place Precast Culverts	15	11/17/16	12/09/16											
Track		159	11/22/16	06/30/17											
M2H54TE-110	H-2090+00 to H-2130+00, HST Track Common Fill	17	11/22/16	12/16/16											
M2H54TE-120	H-2090+00 to H-2130+00, HST Track Common Fill, Surcharge Wait	180	12/17/16	06/14/17											
M2H54TE-130	H-2090+00 to H-2130+00, HST Track Subgrade	8	06/15/17	06/26/17											
M2H54TE-140	H-2090+00 to H-2130+00, HST Track AC	4	06/27/17	06/30/17											

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016		2017		2018		2019			
		H-2130+00 to H-2145+00 (Iona)		234	05/22/18	04/12/19											
		Grubb and Demolition		5	05/22/18	05/29/18											
		M2H55C-1000	Iona Ave. (H-2130+00 to H-2145+00), Clear & Grubb	5	05/22/18	05/29/18											
		Structure (1 Span)		75	05/30/18	09/11/18											
		M2H55S-0001	Iona Ave., Start Structure	0	05/30/18												
		M2H55S-1020	Iona Ave., Foundations	8	06/11/18	06/20/18											
		M2H55S-1040	Iona Ave., F/R/P Columns	20	06/25/18	07/23/18											
		M2H55S-1050	Iona Ave., F/R/P Bent Caps	20	07/10/18	08/06/18											
		M2H55S-1080	Iona Ave., Cure Concrete for Precast	21	08/07/18	08/27/18											
		M2H55S-1110	Iona Ave., Place Precast Girders	2	08/28/18	08/29/18											
		M2H55S-1120	Iona Ave., Deck Rebar/Forms & Pour	8	08/30/18	09/11/18											
		Access Road		54	01/28/19	04/12/19											
		M2H55S-1090	Iona Ave., Build Embankments to Final Grade + box culvert	38	01/28/19	03/21/19											
		M2H55S-1130	Iona Ave., Deck & Road Pavements	12	03/22/19	04/08/19											
		M2H55S-1100	Iona Ave., Hydroseed Embankments	5	03/22/19	03/28/19											
		M2H55S-1140	Iona Ave., Landscape/Permanent BMPS/Fencing	10	04/01/19	04/12/19											
		M2H55S-9000	Iona Ave., Open for Traffic & Ready for Track work	0		04/12/19											
		Track		143	09/12/18	03/29/19											
		M2H55TE-110	Iona Ave. (H-2130+00 to H-2145+00), HST Track Common Fill	9	09/12/18	09/24/18											
		M2H55TE-120	Iona Ave. (H-2130+00 to H-2145+00), HST Track Common Fill, Surcharge Wait	180	09/25/18	03/23/19											
		M2H55TE-130	Iona Ave. (H-2130+00 to H-2145+00), HST Track Subgrade	3	03/25/19	03/27/19											
		M2H55TE-140	Iona Ave. (H-2130+00 to H-2145+00), HST Track AC	2	03/28/19	03/29/19											
		Alignment K4				622										11/15/16	04/03/19
		K4-2075+00 to K4-2115+00		179	12/22/16	08/29/17											
		Grubb and Demolition		5	12/22/16	12/29/16											
		M2K01C-1000	K-2075+00 to K-2115+00, Clear & Grubb	5	12/22/16	12/29/16											
		RCBC & Irrigation Relocation		10	12/30/16	01/13/17											
		M2K01BCA-100	K-2075+00 to K-2115+00, Precast Irrigation Culverts and Canal/Ditch Work	10	12/30/16	01/13/17											
		Track		161	01/17/17	08/29/17											
		M2K01TE-110	K-2075+00 to K-2115+00. HST Track Common Fill	20	01/17/17	02/13/17											
		M2K01TE-120	K-2075+00 to K-2115+00. HST Track Common Fill, Surcharge Wait	180	02/14/17	08/12/17											
		M2K01TE-130	K-2075+00 to K-2115+00. HST Track Subgrade	8	08/14/17	08/23/17											
		M2K01TE-140	K-2075+00 to K-2115+00. HST Track AC	4	08/24/17	08/29/17											
		K4-2115+00 to K4-2125+00 (Idaho)		202	01/02/18	10/10/18											
		Grubb and Demolition		5	01/02/18	01/08/18											
		M2K02C-1000	Idaho Ave. (K-2115+00 to K-2125+00), Clear & Grubb	5	01/02/18*	01/08/18											
		Structure (1 Span)		62	01/09/18	04/04/18											
		M2K02S-1020	Idaho Ave., Foundations	8	01/09/18	01/19/18											
		M2K02S-0001	Idaho Ave., Start Structure	0	01/09/18												
		M2K02S-1040	Idaho Ave., F/R/P Columns	20	01/17/18	02/13/18											
M2K02S-1050	Idaho Ave., F/R/P Bent Caps	20	01/31/18	02/28/18													
M2K02S-1080	Idaho Ave., Cure Concrete for Precast	21	03/01/18	03/21/18													
M2K02S-1110	Idaho Ave., Place Precast Girders	2	03/22/18	03/23/18													
M2K02S-1120	Idaho Ave., Deck Rebar/Forms & Pour	8	03/26/18	04/04/18													
Access Road		58	03/01/18	05/21/18													
M2K02S-1090	Idaho Ave., Build Embankments to Final Grade	43	03/01/18	04/30/18													
M2K02S-1130	Idaho Ave., Deck & Road Pavements	11	05/01/18	05/15/18													

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish										
					2015		2016		2017		2018		2019	
	M2K02S-1100	Idaho Ave., Hydroseed Embankments	5	05/01/18	05/07/18									
	M2K02S-1140	Idaho Ave., Landscape/Permanent BMPS/Fencing	10	05/08/18	05/21/18									
	M2K02S-9000	Idaho Ave., Open for Traffic & Ready for Track work	0		05/21/18									
	RCBC & Irrigation Relocation		25	03/01/18	04/04/18									
	M2K02BC-100	Idaho Ave. (K-2115+00 to K-2125+00), Precast Irrigation Culverts and Canal/Dit...	25	03/01/18	04/04/18									
	Track		135	04/05/18	10/10/18									
	M2K02TE-110	Idaho Ave. (K-2115+00 to K-2125+00), HST Track Common Fill	4	04/05/18	04/10/18									
	M2K02TE-120	Idaho Ave. (K-2115+00 to K-2125+00), HST Track Common Fill, Surcharge Wait	180	04/11/18	10/07/18									
	M2K02TE-130	Idaho Ave. (K-2115+00 to K-2125+00), HST Track Subgrade	2	10/08/18	10/09/18									
	M2K02TE-140	Idaho Ave. (K-2115+00 to K-2125+00), HST Track AC	1	10/10/18	10/10/18									
	K4-2125+00 to K4-2170+00		167	12/12/16	08/01/17									
	Grubb and Demolition		5	12/12/16	12/16/16									
	M2K03C-1000	K-2125+00 to K-2170+00, Clear & Grubb	5	12/12/16	12/16/16									
	Track		162	12/19/16	08/01/17									
	M2K03TE-110	K-2125+00 to K-2170+00, HST Track Common Fill	18	12/19/16	01/13/17									
	M2K03TE-120	K-2125+00 to K-2170+00, HST Track Common Fill, Surcharge Wait	180	01/14/17	07/12/17									
	M2K03TE-130	K-2125+00 to K-2170+00, HST Track Subgrade	9	07/13/17	07/25/17									
	M2K03TE-140	K-2125+00 to K-2170+00, HST Track AC	5	07/26/17	08/01/17									
	K4-2170+00 to K4-2180+00 (Jackson)		227	05/22/18	04/03/19									
	Grubb and Demolition		20	05/22/18	06/19/18									
	M2K04C-1010	Jackson Ave. (K-2170+00 to K-2180+00), Demolition	15	05/22/18	06/12/18									
	M2K04C-1000	Jackson Ave. (K-2170+00 to K-2180+00), Clear & Grubb	5	06/13/18	06/19/18									
	Structure (1 Span)		63	06/20/18	09/14/18									
	M2K04S-0001	Jackson Ave., Start Structure	0	06/20/18										
	M2K04S-1020	Jackson Ave., Foundations	8	06/21/18	07/02/18									
	M2K04S-1040	Jackson Ave., F/R/P Columns	20	06/28/18	07/26/18									
	M2K04S-1050	Jackson Ave., F/R/P Bent Caps	20	07/13/18	08/09/18									
	M2K04S-1080	Jackson Ave., Cure Concrete for Precast	21	08/10/18	08/30/18									
	M2K04S-1110	Jackson Ave., Place Precast Girders	2	08/31/18	09/04/18									
	M2K04S-1120	Jackson Ave., Deck Rebar/Forms & Pour	8	09/05/18	09/14/18									
	Access Road		61	11/21/18	02/21/19									
	M2K04S-1090	Jackson Ave., Build Embankments to Final Grade	43	11/21/18	01/25/19									
	M2K04S-1130	Jackson Ave., Deck & Road Pavements	13	01/28/19	02/13/19									
	M2K04S-1100	Jackson Ave., Hydroseed Embankments	5	01/28/19	02/01/19									
	M2K04S-1140	Jackson Ave., Landscape/Permanent BMPS/Fencing	11	02/06/19	02/21/19									
	M2K04S-9000	Jackson Ave., Open for Traffic & Ready for Track work	0		02/21/19									
	Track		137	09/25/18	04/03/19									
	M2K04TE-110	Jackson Ave. (K-2170+00 to K-2180+00), HST Track Common Fill	6	09/25/18	10/02/18									
	M2K04TE-120	Jackson Ave. (K-2170+00 to K-2180+00), HST Track Common Fill, Surcharge ...	180	10/03/18	03/31/19									
	M2K04TE-130	Jackson Ave. (K-2170+00 to K-2180+00), HST Track Subgrade	2	04/01/19	04/02/19									
	M2K04TE-140	Jackson Ave. (K-2170+00 to K-2180+00), HST Track AC	1	04/03/19	04/03/19									
	K4-2180+00 to K4-2235+00		246	11/15/16	10/24/17									
	Grubb and Demolition		5	11/15/16	11/21/16									
	M2K05C-1000	K-2180+00 to K-2235+00, Clear & Grubb	5	11/15/16	11/21/16									
	RCBC & Irrigation Relocation		80	11/22/16	03/21/17									
	M2K05BC-100	K-2180+00 to K-2235+00, Precast Irrigation Culverts and Canal/Ditch Work	80	11/22/16	03/21/17									
	Track		178	02/17/17	10/24/17									

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish										
					2015		2016		2017		2018		2019	
M2K05TE-110	K-2180+00 to K-2235+00, HST Track Common Fill	32	02/17/17	04/04/17										
M2K05TE-120	K-2180+00 to K-2235+00, HST Track Common Fill, Surcharge Wait	180	04/05/17	10/01/17										
M2K05TE-130	K-2180+00 to K-2235+00, HST Track Subgrade	11	10/02/17	10/16/17										
M2K05TE-140	K-2180+00 to K-2235+00, HST Track AC	6	10/17/17	10/24/17										
Bridge K-7 (SR-43 Overpass)		460	03/15/17	12/18/18										
Grubb and Demolition		20	03/15/17	04/11/17										
M2K06C-1000	Bridge K-7 (SR-43 Overpass) (K-2235+00 to K-2250+00), Clear & Grubb	5	03/15/17	03/21/17										
M2K06C-1010	Bridge K-7 (SR-43 Overpass) (K-2235+00 to K-2250+00), SR 43 Detour	15	03/22/17	04/11/17										
Structure		194	04/12/17	01/08/18										
M2K06S-0001	Bridge K-7 (SR-43 Overpass), Start Structure	0	04/12/17											
M2K06S-1020	Bridge K-7 (SR-43 Overpass), Foundations	32	07/05/17	08/17/17										
M2K06S-1040	Bridge K-7 (SR-43 Overpass), F/R/P Columns	50	08/02/17	10/11/17										
M2K06S-1050	Bridge K-7 (SR-43 Overpass), F/R/P Col Bents	50	08/30/17	11/08/17										
M2K06S-1080	Bridge K-7 (SR-43 Overpass), Cure Concrete for Precast	21	11/09/17	11/29/17										
M2K06S-1110	Bridge K-7 (SR-43 Overpass), Place Precast Girders	5	01/02/18	01/08/18										
Roadway		80	02/09/18	06/04/18										
M2K06S-1090	Bridge K-7 (SR-43 Overpass), Build Embankments to Final Grade	40	02/09/18	04/06/18										
M2K06S-1130	Bridge K-7 (SR-43 Overpass), Deck & Road Pavements	15	04/09/18	04/27/18										
M2K06S-1100	Bridge K-7 (SR-43 Overpass), Hydroseed Embankments	5	04/09/18	04/13/18										
M2K06S-1140	Bridge K-7 (SR-43 Overpass), Landscape/Permanent BMPS/Fencing	10	04/30/18	05/11/18										
M2K06S-1150	Bridge K-7 (SR-43 Overpass), Shift traffic and remove detour	15	05/14/18	06/04/18										
M2K06S-9000	Bridge K-7 (SR-43 Overpass), Open for Traffic & Ready for Track work	0	06/04/18	06/04/18										
Track		141	06/05/18	12/18/18										
M2K06TE-110	Bridge K-7 (SR-43 Overpass) (K-2235+00 to K-2250+00), HST Track Common Fill	8	06/05/18	06/14/18										
M2K06TE-120	Bridge K-7 (SR-43 Overpass) (K-2235+00 to K-2250+00), HST Track Common ...	180	06/15/18	12/11/18										
M2K06TE-130	Bridge K-7 (SR-43 Overpass) (K-2235+00 to K-2250+00), HST Track Subgrade	3	12/12/18	12/14/18										
M2K06TE-140	Bridge K-7 (SR-43 Overpass) (K-2235+00 to K-2250+00), HST Track AC	2	12/17/18	12/18/18										
K4-2250+00 to K4-2285+00		262	11/15/16	11/15/17										
Grubb and Demolition		5	11/15/16	11/21/16										
M2K07C-1000	K-2250+00 to K-2285+00, Clear & Grubb	5	11/15/16	11/21/16										
Track		161	04/05/17	11/15/17										
M2K07TE-110	K-2250+00 to K-2285+00, HST Track Common Fill	21	04/05/17	05/03/17										
M2K07TE-120	K-2250+00 to K-2285+00, HST Track Common Fill, Surcharge Wait	180	05/04/17	10/30/17										
M2K07TE-130	K-2250+00 to K-2285+00, HST Track Subgrade	7	10/31/17	11/08/17										
M2K07TE-140	K-2250+00 to K-2285+00, HST Track AC	4	11/09/17	11/15/17										
K4-2285+00 to K4-2295+00 (Kent)		429	08/09/17	04/01/19										
Grubb and Demolition		5	08/09/17	08/15/17										
M2K08C-1000	Kent Ave. (K-2285+00 to K-2295+00), Clear & Grubb	5	08/09/17	08/15/17										
Structure (1 Span)		64	08/16/17	11/13/17										
M2K08S-1020	Kent Ave., Foundations	8	08/16/17	08/25/17										
M2K08S-0001	Kent Ave., Start Structure	0	08/16/17											
M2K08S-1040	Kent Ave., F/R/P Columns	20	08/28/17	09/25/17										
M2K08S-1050	Kent Ave., F/R/P Bent Caps	20	09/12/17	10/09/17										
M2K08S-1080	Kent Ave., Cure Concrete for Precast	21	10/10/17	10/30/17										
M2K08S-1110	Kent Ave., Place Precast Girders	2	10/31/17	11/01/17										
M2K08S-1120	Kent Ave., Deck Rebar/Forms & Pour	8	11/02/17	11/13/17										
Access Roads		69	09/13/18	12/21/18										

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish										
					2015		2016		2017		2018		2019	
	M2K08S-1090	Kent Ave., Build Embankments to Final Grade	48	09/13/18	11/20/18									
	M2K08S-1130	Kent Ave., Deck & Road Pavements	16	11/21/18	12/14/18									
	M2K08S-1100	Kent Ave., Hydroseed Embankments	5	11/21/18	11/29/18									
	M2K08S-1140	Kent Ave., Landscape/Permanent BMPS/Fencing	13	12/05/18	12/21/18									
	M2K08S-9000	Kent Ave., Open for Traffic & Ready for Track work	0		12/21/18									
	Track		311	01/22/18	04/01/19									
	M2K08TE-110	Kent Ave. (K-2285+00 to K-2295+00), HST Track Common Fill	6	01/22/18	01/29/18									
	M2K08TE-120	Kent Ave. (K-2285+00 to K-2295+00), HST Track Common Fill, Surcharge Wait	180	01/30/18	07/28/18									
	M2K08TE-130	Kent Ave. (K-2285+00 to K-2295+00), HST Track Subgrade	2	03/28/19	03/29/19									
	M2K08TE-140	Kent Ave. (K-2285+00 to K-2295+00), HST Track AC	1	04/01/19	04/01/19									
	K4-2295+00 to K4-2340+00		306	11/15/16	01/16/18									
	Grubb and Demolition		5	11/15/16	11/21/16									
	M2K09C-1000	K-2295+00 to K-2340+00, Clear & Grubb	5	11/15/16	11/21/16									
	Track		184	05/04/17	01/16/18									
	M2K09TE-110	K-2295+00 to K-2340+00, HST Track Common Fill	39	05/04/17	06/28/17									
	M2K09TE-120	K-2295+00 to K-2340+00, HST Track Common Fill, Surcharge Wait	180	06/29/17	12/25/17									
	M2K09TE-130	K-2295+00 to K-2340+00, HST Track Subgrade	9	12/26/17	01/08/18									
	M2K09TE-140	K-2295+00 to K-2340+00, HST Track AC	5	01/09/18	01/16/18									
	K4-2340+00 to K4-2350+00 (Kansas)		347	06/15/17	10/12/18									
	Grubb and Demolition		5	06/15/17	06/21/17									
	M2K10C-1000	Kansas Ave. (K-2340+00 to K-2350+00), Clear & Grubb	5	06/15/17	06/21/17									
	Structure (1 Span)		64	06/22/17	09/19/17									
	M2K10S-1020	Kansas Ave., Foundations	8	06/22/17	07/03/17									
	M2K10S-0001	Kansas Ave., Start Structure	0	06/22/17										
	M2K10S-1040	Kansas Ave., F/R/P Columns	20	07/05/17	08/01/17									
	M2K10S-1050	Kansas Ave., F/R/P Bent Caps	20	07/19/17	08/15/17									
	M2K10S-1080	Kansas Ave., Cure Concrete for Precast	21	08/16/17	09/05/17									
	M2K10S-1110	Kansas Ave., Place Precast Girders	2	09/06/17	09/07/17									
	M2K10S-1120	Kansas Ave., Deck Rebar/Forms & Pour	8	09/08/17	09/19/17									
	Access Roads		82	09/21/17	01/22/18									
	M2K10S-1090	Kansas Ave., Build Embankments to Final Grade	55	09/21/17	12/11/17									
	M2K10S-1130	Kansas Ave., Deck & Road Pavements	19	12/12/17	01/09/18									
	M2K10S-1100	Kansas Ave., Hydroseed Embankments	5	12/12/17	12/18/17									
	M2K10S-1140	Kansas Ave., Landscape/Permanent BMPS/Fencing	17	12/27/17	01/22/18									
	M2K10S-9000	Kansas Ave., Open for Traffic & Ready for Track work	0		01/22/18									
	RCBC & Irrigation Relocation		15	12/27/17	01/18/18									
	M2K10BCA-100	Kansas Ave. (K-2340+00 to K-2350+00), Precast Irrigation Culverts and Canal/...	15	12/27/17	01/18/18									
	Track		184	01/30/18	10/12/18									
	M2K10TE-110	Kansas Ave. (K-2340+00 to K-2350+00), HST Track Common Fill	9	01/30/18	02/09/18									
	M2K10TE-120	Kansas Ave. (K-2340+00 to K-2350+00), HST Track Common Fill, Surcharge Wait	180	02/10/18	08/08/18									
	M2K10TE-130	Kansas Ave. (K-2340+00 to K-2350+00), HST Track Subgrade	2	10/10/18	10/11/18									
	M2K10TE-140	Kansas Ave. (K-2340+00 to K-2350+00), HST Track AC	1	10/12/18	10/12/18									
	K4-2350+00 to K4-2448+00		346	03/01/17	06/27/18									
	Grubb and Demolition		5	03/01/17	03/07/17									
	M2K11C-1000	K-2350+00 to K-2448+00, Clear & Grubb	5	03/01/17	03/07/17									
	RCBC & Irrigation Relocation		120	03/08/17	08/24/17									
	M2K11BC-100	K-2350+00 to K-2448+00, CIP Culvert and Canal/Ditch Work	80	03/08/17	06/28/17									

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish	2015		2016		2017		2018		2019	
	M2K11BC-110	K-2350+00 to K-2448+00, Prep/Place Precast Culverts	30	07/14/17	08/24/17									
	Track		260	06/29/17	06/27/18									
	M2K11TE-110	K-2350+00 to K-2448+00, HST Track Common Fill	98	06/29/17	11/16/17									
	M2K11TE-120	K-2350+00 to K-2448+00, HST Track Common Fill, Surcharge Wait	180	11/17/17	05/15/18									
	M2K11TE-130	K-2350+00 to K-2448+00, HST Track Subgrade	20	05/16/18	06/13/18									
	M2K11TE-140	K-2350+00 to K-2448+00, HST Track AC	10	06/14/18	06/27/18									
	K4-2448+00 to K4-2480+00		277	01/19/18	02/11/19									
	Grubb and Demolition		5	01/19/18	01/25/18									
	M2K12C-1000	K-2448+00 to K-2480+00, Clear & Grubb	5	01/19/18	01/25/18									
	RCBC & Irrigation Relocation		125	01/26/18	07/24/18									
	M2K12BCA-100	K-2448+00 to K-2480+00, CIP Culvert and Canal/Ditch Work	100	01/26/18	06/18/18									
	M2K12BCB-110	K-2448+00 to K-2480+00, Prep/Place Precast Culverts	15	07/03/18	07/24/18									
	Track		170	06/19/18	02/11/19									
	M2K12TE-110	K-2448+00 to K-2480+00, HST Track Common Fill (FLOOD)	32	06/19/18	08/02/18									
	M2K12TE-120	K-2448+00 to K-2480+00, HST Track Common Fill, Surcharge Wait	180	08/03/18	01/29/19									
	M2K12TE-130	K-2448+00 to K-2480+00, HST Track Subgrade	6	01/30/19	02/06/19									
	M2K12TE-140	K-2448+00 to K-2480+00, HST Track AC	3	02/07/19	02/11/19									
	Bridge K-3 (Cross Creek)		183	03/19/18	11/28/18									
	Grubb and Demolition		5	03/19/18	03/23/18									
	M2K13C-1000	Bridge K-3 (Cross Creek), (K-2480+00 TO K-2481+00), Clear & Grubb	5	03/19/18	03/23/18									
	Structure		178	03/26/18	11/28/18									
	M2K13S-1010	Bridge K-3 (Cross Creek) , Foundations	22	03/26/18	04/24/18									
	M2K13S-0001	Bridge K-3 (Cross Creek) , Start Structure	0	03/26/18										
	M2K13S-1030	Bridge K-3 (Cross Creek) , Wing Walls	28	04/25/18	06/04/18									
	M2K13S-1020	Bridge K-3 (Cross Creek) , Abutments	16	07/26/18	08/16/18									
	M2K13S-1060	Bridge K-3 (Cross Creek) , F/R/P Post Tension Beam	40	08/17/18	10/12/18									
	M2K13S-1080	Bridge K-3 (Cross Creek) , Cure Post Tension Beam	21	10/13/18	11/02/18									
	M2K13S-1090	Bridge K-3 (Cross Creek) , Post Tension Beam	15	11/05/18	11/28/18									
	M2K13S-9000	Bridge K-3 (Cross Creek) , Bridge Complete	0		11/28/18									
	K4-2481+00 to K4-2535+00		283	12/12/17	01/10/19									
	Grubb and Demolition		5	12/12/17	12/18/17									
	M2K14C-1000	K-2481+00 to K-2535+00, Clear & Grubb	5	12/12/17	12/18/17									
	RCBC & Irrigation Relocation		50	12/19/17	03/02/18									
	M2K14BCA-100	K-2481+00 to K-2535+00, Culverts and Canal/Ditch Work	50	12/19/17	03/02/18									
	Track		224	03/05/18	01/10/19									
	M2K14TE-110	K-2481+00 to K-2535+00, HST Track Common Fill	75	03/05/18	06/18/18									
	M2K14TE-120	K-2481+00 to K-2535+00, HST Track Common Fill, Surcharge Wait	180	06/19/18	12/15/18									
	M2K14TE-130	K-2481+00 to K-2535+00, HST Track Subgrade	11	12/17/18	01/02/19									
	M2K14TE-140	K-2481+00 to K-2535+00, HST Track AC	6	01/03/19	01/10/19									
	Bridge K-8 (SR43 Overpass)		468	01/09/17	10/24/18									
Grubb and Demolition		20	01/09/17	02/06/17										
M2K15C-1000	Bridge K-8 (SR43 Overpass) (K-2535+00 to K-2545+00), Clear & Grubb	5	01/09/17	01/13/17										
M2K15C-1010	Bridge K-8 (SR43 Overpass) (K-2535+00 to K-2545+00), SR 43 Detour	15	01/17/17	02/06/17										
Stucture (4 Span)		112	02/07/17	07/12/17										
M2K15S-1020	Bridge K-8 (SR43 Overpass), Foundations	32	02/07/17	03/23/17										
M2K15S-0001	Bridge K-8 (SR43 Overpass), Start Structure	0	02/07/17											
M2K15S-1040	Bridge K-8 (SR43 Overpass), F/R/P Columns	50	03/08/17	05/16/17										

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish					
					2015	2016	2017	2018	2019
	M2K15S-1050	Bridge K-8 (SR43 Overpass), F/R/P Col Bents	50	04/05/17	06/14/17				
	M2K15S-1080	Bridge K-8 (SR43 Overpass), Cure Concrete for Precast	21	06/15/17	07/05/17				
	M2K15S-1110	Bridge K-8 (SR43 Overpass), Place Precast Girders	5	07/06/17	07/12/17				
	Roadway		203	06/15/17	04/06/18				
	M2K15S-1160	Bridge K-8 (SR43 Overpass), Construct Access Road	20	06/15/17	07/13/17				
	M2K15S-1090	Bridge K-8 (SR43 Overpass), Build Embankments to Final Grade	40	12/12/17	02/08/18				
	M2K15S-1130	Bridge K-8 (SR43 Overpass), Deck & Road Pavements	15	02/09/18	03/02/18				
	M2K15S-1100	Bridge K-8 (SR43 Overpass), Hydroseed Embankments	5	02/09/18	02/15/18				
	M2K15S-1140	Bridge K-8 (SR43 Overpass), Landscape/Permanent BMPS/Fencing	10	03/05/18	03/16/18				
	M2K15S-1150	Bridge K-8 (SR43 Overpass), Shift traffic and remove detour	15	03/19/18	04/06/18				
	M2K15S-9000	Bridge K-8 (SR43 Overpass), Open for Traffic & Ready for Track work	0		04/06/18				
	RCBC & Irrigation Relocation		10	03/19/18	03/30/18				
	M2K15BC-100	K-2535+00 to K-2545+00, Culverts and Canal/Ditch Work	10	03/19/18	03/30/18				
	Track		141	04/11/18	10/24/18				
	M2K15TE-110	K-2535+00 to K-2545+00, HST Track Common Fill (FLOOD)	10	04/11/18	04/24/18				
	M2K15TE-120	K-2535+00 to K-2545+00, HST Track Common Fill, Surcharge Wait	180	04/25/18	10/21/18				
	M2K15TE-130	K-2535+00 to K-2545+00, HST Track Subgrade	2	10/22/18	10/23/18				
	M2K15TE-140	K-2535+00 to K-2545+00, HST Track AC	1	10/24/18	10/24/18				
	K4-2545+00 to K4-2599+00		288	07/05/17	08/10/18				
	Grubb and Demolition		5	07/05/17	07/11/17				
	M2K16C-1000	K-2545+00 to K-2599+00, Clear & Grubb	5	07/05/17	07/11/17				
	RCBC & Irrigation Relocation		120	07/12/17	01/03/18				
	M2K16BC-100	K-2545+00 to K-2599+00, CIP Culvert and Canal/Ditch Work	90	07/12/17	11/16/17				
	M2K16BC-110	K-2545+00 to K-2599+00, Precast Drainage Culverts	20	12/05/17	01/03/18				
	Track		191	11/17/17	08/10/18				
	M2K16TE-110	K-2545+00 to K-2599+00, HST Track Common Fill (FLOOD)	41	11/17/17	01/19/18				
	M2K16TE-120	K-2545+00 to K-2599+00, HST Track Common Fill, Surcharge Wait	180	01/20/18	07/18/18				
	M2K16TE-130	K-2545+00 to K-2599+00, HST Track Subgrade	11	07/19/18	08/02/18				
	M2K16TE-140	K-2545+00 to K-2599+00, HST Track AC	6	08/03/18	08/10/18				
	Punchlist		38	04/04/19	05/28/19				
	M2K4-PUNCH	Managment Segment 2 - Punchlist - Alignment K4	20	04/04/19	05/01/19				
	M2H-PUNCH	Managment Segment 2 - Punchlist - Alignment H	20	04/30/19	05/28/19				
	Management Segment 3 (2595+00 to 4395+40)		1011	07/01/15	05/15/19				
	Permits		625	07/01/15	03/16/17				
	M3-USACE1010	Managment Segment 1Permits-USACE 404	625	07/01/15	03/16/17				
	M3-CVFPB1000	Managment Segment 1Permits-CVFPB/ FEMA CLOMR	625	07/01/15	03/16/17				
	M3-IRRIG1000	Managment Segment 1Permits-Irrigation Districts	480	07/01/15	10/22/16				
	M3-UTIL1000	Managment Segment 1Permits-Utilities PG&E	523	07/01/15	12/04/16				
	M3-UTIL1010	Managment Segment 1Permits-Utilities SDG&E	523	07/01/15	12/04/16				
	M3-UTIL1020	Managment Segment 1Permits-Utilities SEMPRA	523	07/01/15	12/04/16				
	M3-SWRCB1000	Managment Segment 1Permits-SWRCB Section 402 - NPDES	625	07/01/15	03/16/17				
	M3-CDFW1000	Managment Segment 1Permits-CDFW Section 1602 Streambed Alteration Agre...	625	07/01/15	03/16/17				
	Geotech		153	10/01/15	05/11/16				
	GDR for Embankment		153	10/01/15	05/11/16				
	M3EMBGeo-100FI	Geotech, Segment 3, Embankment GDR, Field Investigations	80	10/01/15	01/28/16				
	M3EMBGeo-100DR	Geotech, Segment 3, Embankment GDR, P/S and R/A Draft Report	25	01/29/16	03/04/16				

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish	2015		2016	2017	2018	2019
M3EMBGeo-100FR	Geotech, Segment 3, Embankment GDR, P/S and R/A Final Report	48	03/07/16	05/11/16						
	Design	562	07/01/15	08/24/17						
	Civil	376	10/13/15	03/21/17						
	Utilities	302	10/13/15	12/07/16						
	60% Design	116	10/13/15	03/22/16						
	M3UTD-060S	Utility Package, Segment 3, 60% Design, P/S	80	10/13/15	02/08/16					
	M3UTD-060R	Utility Package, Segment 3, 60% Design, Authority R/A	30	02/09/16	03/22/16					
	M3UTD-060AGN	Utility Package, Segment 3, 60 % Design, 3rd Party R/A	30	02/09/16	03/09/16					
	90% Design	92	03/23/16	07/28/16						
	M3UTD-090S	Utility Package, Segment 3, 90% Design, P/S	60	03/23/16	06/15/16					
	M3UTD-090R	Utility Package, Segment 3, 90% Design, Authority R/A	30	06/16/16	07/28/16					
	M3UTD-090AGN	Utility Package, Segment 3, 90 % Design, 3rd Party R/A	30	06/16/16	07/15/16					
	RFC	90	07/29/16	12/07/16						
	M3UTD-100S	Utility Package, Segment 3, RFC Design, P/S	60	07/29/16	10/21/16					
	M3UTD-100R	Utility Package, Segment 3, RFC Design, Authority R/A	30	10/24/16	12/07/16					
	M3UTD-100A	Utility Package, Segment 3, RFC Design, Approved	0		12/07/16					
	Irrigation Canals	269	10/13/15	10/24/16						
	60% Design	106	10/13/15	03/08/16						
	M3IRD-060S	Irrigation Package, Segment 3, 60% Design, P/S	70	10/13/15	01/25/16					
	M3IRD-060R	Irrigation Package, Segment 3, 60% Design, Authority R/A	30	01/26/16	03/08/16					
	M3IRD-060AGN	Irrigation Package, Segment 3, 60% Design, 3rd Party R/A	30	01/26/16	02/24/16					
	90% Design	81	03/09/16	06/29/16						
	M3IRD-090S	Irrigation Package, Segment 3, 90% Design, P/S	50	03/09/16	05/17/16					
	M3IRD-090R	Irrigation Package, Segment 3, 90% Design, Authority R/A	30	05/18/16	06/29/16					
	M3IRD-090AGN30	Irrigation Package, Segment 3, 90% Design, 3rd Party R/A	30	05/18/16	06/16/16					
	RFC	80	06/30/16	10/24/16						
	M3IRD-100S	Irrigation Package, Segment 3, RFC Design, P/S	50	06/30/16	09/09/16					
	M3IRD-100R	Irrigation Package, Segment 3, RFC Design, Authority R/A	30	09/12/16	10/21/16					
	M3IRD-100A	Irrigation Package, Segment 3, RFC Design, Approved	0		10/24/16					
	Caltrans Roadway	302	10/13/15	12/07/16						
	60% Design	116	10/13/15	03/22/16						
	M3CRWD-060S30	CALTRANS Roadway Package, Segment 3, 60% Design, P/S	80	10/13/15	02/08/16					
	M3CRWD-060R30	CALTRANS Roadway Package, Segment 3, 60% Design, Authority R/A	30	02/09/16	03/22/16					
	M3CRWD-060AGN30	CALTRANS Roadway Package, Segment 3, 60 % Design, 3rd Party R/A	30	02/09/16	03/09/16					
	90% Design	92	03/23/16	07/28/16						
	M3CRWD-090S30	CALTRANS Roadway Package, Segment 3, 90% Design, P/S	60	03/23/16	06/15/16					
	M3CRWD-090R30	CALTRANS Roadway Package, Segment 3, 90% Design, Authority R/A	30	06/16/16	07/28/16					
	M3CRWD-090AGN30	CALTRANS Roadway Package, Segment 3, 90 % Design, 3rd Party R/A	30	06/16/16	07/15/16					
	RFC	90	07/29/16	12/07/16						
	M3CRWD-100S30	CALTRANS Roadway Package, Segment 3, RFC Design, P/S	60	07/29/16	10/21/16					
M3CRWD-100R30	CALTRANS Roadway Package, Segment 3, RFC Design, Authority R/A	30	10/24/16	12/07/16						
M3CRWD-100A30	CALTRANS Roadway Package, Segment 3, RFC Design, Approved	0		12/07/16						
Rail Embankment	376	10/13/15	03/21/17							
Package 1	269	10/13/15	10/21/16							
60% Design	106	10/13/15	03/08/16							
M3RED1-060S	Rail Embankment Package 1, Segment 3, 60% Design, P/S	70	10/13/15	01/25/16						
M3RED1-060R	Rail Embankment Package 1, Segment 3, 60% Design, Authority R/A	30	01/26/16	03/08/16						
M3RED1-060AGN	Rail Embankment Package 1, Segment 3, 60% Design, 3rd Party R/A	30	01/26/16	02/24/16						

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016		2017		2018		2019	
		90% Design		81	03/09/16	06/29/16									
		M3RED1-090S	Rail Embankment Package 1, Segment 3, 90% Design, P/S	50	03/09/16	05/17/16									
		M3RED1-090R	Rail Embankment Package 1, Segment 3, 90% Design, Authority R/A	30	05/18/16	06/29/16									
		M3RED1-090AGN	Rail Embankment Package 1, Segment 3, 90% Design, 3rd Party R/A	30	05/18/16	06/16/16									
		RFC		80	06/30/16	10/21/16									
		M3RED1-100S	Rail Embankment Package 1, Segment 3, RFC Design, P/S	50	06/30/16	09/09/16									
		M3RED1-100R	Rail Embankment Package 1, Segment 3, RFC Design, Authority R/A	30	09/12/16	10/21/16									
		M3RED1-100A	Rail Embankment Package 1, Segment 3, RFC Design, Approved	0		10/21/16									
		Package 2		301	01/26/16	03/21/17									
		60% Design		112	01/26/16	06/29/16									
		M3RED2-060S	Rail Embankment Package 2, Segment 3, 60% Design, P/S	80	01/26/16	05/17/16									
		M3RED2-060R	Rail Embankment Package 2, Segment 3, 60% Design, Authority R/A	30	05/18/16	06/29/16									
		M3RED2-060AGN	Rail Embankment Package 2, Segment 3, 60% Design, 3rd Party R/A	30	05/18/16	06/16/16									
		90% Design		92	06/30/16	11/04/16									
		M3RED2-090S	Rail Embankment Package 2, Segment 3, 90% Design, P/S	60	06/30/16	09/23/16									
		M3RED2-090AGN	Rail Embankment Package 2, Segment 3, 90% Design, 3rd Party R/A	30	09/24/16	10/23/16									
		M3RED2-090R	Rail Embankment Package 2, Segment 3, 90% Design, Authority R/A	30	09/26/16	11/04/16									
		RFC		90	11/07/16	03/21/17									
		M3RED2-100S	Rail Embankment Package 2, Segment 3, RFC Design, P/S	60	11/07/16	02/06/17									
		M3RED2-100R	Rail Embankment Package 2, Segment 3, RFC Design, Authority R/A	30	02/07/17	03/21/17									
		M3RED2-100A	Rail Embankment Package 2, Segment 3, RFC Design, Approved	0		03/21/17									
		Local Roadway		279	10/13/15	11/04/16									
		60% Design		106	10/13/15	03/08/16									
		M3LRWD-060S	Local Roadway Package, Segment 3, 60% Design, P/S	70	10/13/15	01/25/16									
		M3LRWD-060R	Local Roadway Package, Segment 3, 60% Design, Authority R/A	30	01/26/16	03/08/16									
		M3LRWD-060AGN	Local Roadway Package, Segment 3, 60 % Design, 3rd Party R/A	30	01/26/16	02/24/16									
		90% Design		87	03/09/16	07/07/16									
		M3LRWD-090S	Local Roadway Package, Segment 3, 90% Design, P/S	55	03/09/16	05/24/16									
		M3LRWD-090R	Local Roadway Package, Segment 3, 90% Design, Authority R/A	30	05/25/16	07/07/16									
		M3LRWD-090AGN	Local Roadway Package, Segment 3, 90 % Design, 3rd Party R/A	30	05/25/16	06/23/16									
		RFC		85	07/08/16	11/04/16									
		M3LRWD-100S	Local Roadway Package, Segment 3, RFC Design, P/S	55	07/08/16	09/23/16									
		M3LRWD-100R	Local Roadway Package, Segment 3, RFC Design, Authority R/A	30	09/26/16	11/04/16									
		M3LRWD-100A	Local Roadway Package, Segment 3, RFC Design, Approved	0		11/04/16									
		Structures		562	07/01/15	08/24/17									
		Railroad & CPUC Submittal		45	03/21/17	05/23/17									
		M3P03D-030CPUCA	Hesse Ave, CPUC Approval	0		03/21/17									
		M3P08D-030CPUCA	Ave. 88 CPUC Approval	0		05/02/17									
		M3C15D-030CPUCA	Bridge C-4 (BNSF Straddle), CPUC Approval	0		05/23/17									
		M3A04D-030CPUCA	Stoil Spur A-3 (Truss) CPUC Approval	0		05/23/17									
Grade Separation		494	07/01/15	05/22/17											
Nevada Ave (2622+22)		408	07/01/15	01/20/17											
Geotech		147	10/01/15	05/03/16											
M3C02D-GEO060F	Nevada Ave. Geotech, Field Testing & Lab work	25	10/01/15	11/05/15											
M3C02D-GEO060	Nevada Ave. Geotech, P/S and R/A DFR	50	11/06/15	01/21/16											
M3C02D-GEO100	Nevada Ave. Geotech, P/S and R/A FFR	72	01/22/16	05/03/16											
Type Selection		118	07/01/15	12/11/15											
M3C02D-030S	Nevada Ave. Type Selection Report, P/S	62	07/01/15	09/28/15											

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish										
					2015		2016		2017		2018		2019	
	M3C02D-030R	Nevada Ave. Type Selection Report, Authority R/A	20	09/29/15	10/27/15									
	M3C02D-030AGN	Nevada Ave. Type Selection Report, 3rd Party R/A	20	09/29/15	10/18/15									
	M3C02D-030CMN	Nevada Ave. Type Selection Report, Comments Resolution	10	10/28/15	11/10/15									
	M3C02D-030TYPE	Nevada Ave. Type Selection Report, Meeting and Approval	21	11/11/15	12/11/15									
	60% Design		122	12/14/15	05/31/16									
	M3C02D-060S	Nevada Ave. 60% Bridge Design, P/S	77	12/14/15	04/04/16									
	M3C02D-060R	Nevada Ave. 60% Bridge Design, Authority R/A	30	04/05/16	05/16/16									
	M3C02D-060AGN	Nevada Ave. 60% Bridge Design, 3rd Party R/A	30	04/05/16	05/04/16									
	M3C02D-060IND	Nevada Ave. 60% Bridge Design, Independent Check	30	04/05/16	05/16/16									
	M3C02D-060CMNT	Nevada Ave. 60% Bridge Design, Comments Resolution	10	05/17/16	05/31/16									
	90% Design		112	06/01/16	11/03/16									
	M3C02D-090S	Nevada Ave. 90% Bridge Design, P/S	70	06/01/16	09/08/16									
	M3C02D-090R	Nevada Ave. 90% Bridge Design, Authority R/A	30	09/09/16	10/20/16									
	M3C02D-090AGN	Nevada Ave. 90% Bridge Design, 3rd Party R/A	30	09/09/16	10/08/16									
	M3C02D-090CMNT	Nevada Ave. 90% Bridge Design, Comments Resolution	10	10/21/16	11/03/16									
	RFC		50	11/04/16	01/20/17									
	M3C02D-100S	Nevada Ave. RFC Bridge Design-P/S	35	11/04/16	12/28/16									
	M3C02D-100R	Nevada Ave. RFC Bridge Design, Authority R/A	15	12/29/16	01/20/17									
	M3C02D-100A	Nevada Ave. RFC Bridge Design-Approved	0		01/20/17									
	Hesse Ave. (3171+98)		428	08/10/15	03/29/17									
	Geotech		147	10/01/15	05/03/16									
	M3P03D-GEO060F	Hesse Ave. Geotech, Field Testing & Lab work	25	10/01/15	11/05/15									
	M3P03D-GEO060	Hesse Ave. Geotech, P/S and R/A DFR	50	11/06/15	01/21/16									
	M3P03D-GEO100	Hesse Ave. Geotech, P/S and R/A FFR	72	01/22/16	05/03/16									
	Type Selection		120	08/10/15	01/22/16									
	M3P03D-030S	Hesse Ave. Type Selection Report, P/S	62	08/10/15	11/05/15									
	M3P03D-030R	Hesse Ave. Type Selection Report, Authority R/A	20	11/06/15	12/07/15									
	M3P03D-030AGN	Hesse Ave. Type Selection Report, 3rd Party R/A	20	11/06/15	11/25/15									
	M3P03D-030CMN	Hesse Ave. Type Selection Report, Comments Resolution	10	12/08/15	12/21/15									
	M3P03D-030TYPE	Hesse Ave. Type Selection Report, Meeting and Approval	21	12/22/15	01/22/16									
	60% Design		119	02/23/16	08/05/16									
	M3P03D-060S	Hesse Ave. 60% Bridge Design, P/S	77	02/23/16	06/09/16									
	M3P03D-060R	Hesse Ave. 60% Bridge Design, Authority R/A	30	06/10/16	07/22/16									
	M3P03D-060AGN	Hesse Ave. 60% Bridge Design, 3rd Party R/A	30	06/10/16	07/09/16									
	M3P03D-060IND	Hesse Ave. 60% Bridge Design, Independent Check	30	06/10/16	07/22/16									
	M3P03D-060CMNT	Hesse Ave. 60% Bridge Design, Comments Resolution	10	07/25/16	08/05/16									
	BNSF Design Package		302	01/25/16	03/21/17									
	M3P03D-030BNSI	Hesse Ave, BNSF Design Package, P/S	20	01/25/16	02/22/16									
	M3P03D-030BNSI	Hesse Ave, BNSF Design Package, BNSF R/A	45	02/23/16	04/25/16									
	M3P03D-030CPUC	Hesse Ave, BNSF Design Package, CPUC R/A	330	04/26/16	03/21/17									
	90% Design		117	08/08/16	01/17/17									
	M3P03D-090S	Hesse Ave. 90% Bridge Design, P/S	70	08/08/16	11/15/16									
	M3P03D-090R	Hesse Ave. 90% Bridge Design, Authority R/A	30	11/16/16	12/30/16									
	M3P03D-090AGN	Hesse Ave. 90% Bridge Design, 3rd Party R/A	30	11/16/16	12/15/16									
	M3P03D-090CMNT	Hesse Ave. 90% Bridge Design, Comments Resolution	10	01/03/17	01/17/17									
	RFC		50	01/18/17	03/29/17									
	M3P03D-100S	Hesse Ave. RFC Bridge Design-P/S	35	01/18/17	03/08/17									

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish					
					2015		2016		2017
	M3P03D-100R	Hesse Ave. RFC Bridge Design, Authority R/A	15	03/09/17	03/29/17				
	M3P03D-100A	Hesse Ave. RFC Bridge Design-Approved	0		03/29/17				
	Ave. 88 (3432+67)		427	09/21/15	05/09/17				
	Geotech		147	10/01/15	05/03/16				
	M3P08D-GEO060F	Ave. 88 Geotech, Field Testing & Lab work	25	10/01/15	11/05/15				
	M3P08D-GEO060	Ave. 88 Geotech, P/S and R/A DFR	50	11/06/15	01/21/16				
	M3P08D-GEO100	Ave. 88 Geotech, P/S and R/A FFR	72	01/22/16	05/03/16				
	Type Selection		120	09/21/15	03/04/16				
	M3P08D-030S	Ave. 88 Type Selection Report, P/S	62	09/21/15	12/18/15				
	M3P08D-030R	Ave. 88 Type Selection Report, Authority R/A	20	12/21/15	01/20/16				
	M3P08D-030AGN	Ave. 88 Type Selection Report, 3rd Party R/A	20	12/21/15	01/09/16				
	M3P08D-030CMN	Ave. 88 Type Selection Report, Comments Resolution	10	01/21/16	02/03/16				
	M3P08D-030TYPE	Ave. 88 Type Selection Report, Meeting and Approval	21	02/04/16	03/04/16				
	60% Design		120	04/04/16	09/16/16				
	M3P08D-060S	Ave. 88 60% Bridge Design, P/S	77	04/04/16	07/21/16				
	M3P08D-060R	Ave. 88 60% Bridge Design, Authority R/A	30	07/22/16	09/01/16				
	M3P08D-060AGN	Ave. 88 60% Bridge Design, 3rd Party R/A	30	07/22/16	08/20/16				
	M3P08D-060IND	Ave. 88 60% Bridge Design, Independent Check	30	07/22/16	09/01/16				
	M3P08D-060CMNT	Ave. 88 60% Bridge Design, Comments Resolution	10	09/02/16	09/16/16				
	BNSF Design Package		302	03/07/16	05/02/17				
	M3P08D-030BNSI	Ave. 88 BNSF Design Package, P/S	20	03/07/16	04/01/16				
	M3P08D-030BNSI	Ave. 88 BNSF Design Package, BNSF R/A	45	04/04/16	06/06/16				
	M3P08D-030CPUC	Ave. 88 BNSF Design Package, CPUC R/A	330	06/07/16	05/02/17				
	90% Design		117	09/19/16	02/28/17				
	M3P08D-090S	Ave. 88 90% Bridge Design, P/S	70	09/19/16	12/29/16				
	M3P08D-090R	Ave. 88 90% Bridge Design, Authority R/A	30	12/30/16	02/13/17				
	M3P08D-090AGN	Ave. 88 90% Bridge Design, 3rd Party R/A	30	12/30/16	01/28/17				
	M3P08D-090CMNT	Ave. 88 90% Bridge Design, Comments Resolution	10	02/14/17	02/28/17				
	RFC		50	03/01/17	05/09/17				
	M3P08D-100S	Ave. 88 RFC Bridge Design-P/S	35	03/01/17	04/18/17				
	M3P08D-100R	Ave. 88 RFC Bridge Design, Authority R/A	15	04/19/17	05/09/17				
	M3P08D-100A	Ave. 88 RFC Bridge Design-Approved	0		05/09/17				
	J22 (4118+12)		428	10/01/15	05/22/17				
	Geotech		147	10/01/15	05/03/16				
	M3A06D-GEO060F	J22 Geotech, Field Testing & Lab work	25	10/01/15	11/05/15				
	M3A06D-GEO060	J22 Geotech, P/S and R/A DFR	50	11/06/15	01/21/16				
	M3A06D-GEO100	J22 Geotech, P/S and R/A FFR	72	01/22/16	05/03/16				
	Type Selection		119	11/02/15	04/14/16				
	M3A06D-030S	J22 Type Selection Report, P/S	62	11/02/15	02/02/16				
	M3A06D-030R	J22 Type Selection Report, Authority R/A	20	02/03/16	03/02/16				
	M3A06D-030AGN	J22 Type Selection Report, 3rd Party R/A	20	02/03/16	02/22/16				
	M3A06D-030CMN	J22 Type Selection Report, Comments Resolution	10	03/03/16	03/16/16				
	M3A06D-030TYPE	J22 Type Selection Report, Meeting and Approval	21	03/17/16	04/14/16				
	60% Design		120	04/15/16	09/29/16				
	M3A06D-060S	J22 60% Bridge Design, P/S	77	04/15/16	08/03/16				
	M3A06D-060R	J22 60% Bridge Design, Authority R/A	30	08/04/16	09/15/16				
	M3A06D-060AGN	J22 60% Bridge Design, 3rd Party R/A	30	08/04/16	09/02/16				

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish					
					2015		2016		2017
	M3A06D-060IND	J22 60% Bridge Design, Independent Check	30	08/04/16	09/15/16				
	M3A06D-060CMNT	J22 60% Bridge Design, Comments Resolution	10	09/16/16	09/29/16				
	90% Design		117	09/30/16	03/13/17				
	M3A06D-090S	J22 90% Bridge Design, P/S	70	09/30/16	01/12/17				
	M3A06D-090R	J22 90% Bridge Design, Authority R/A	30	01/13/17	02/27/17				
	M3A06D-090AGN	J22 90% Bridge Design, 3rd Party R/A	30	01/13/17	02/11/17				
	M3A06D-090CMNT	J22 90% Bridge Design, Comments Resolution	10	02/28/17	03/13/17				
	RFC		50	03/14/17	05/22/17				
	M3A06D-100S	J22 RFC Bridge Design-P/S	35	03/14/17	05/01/17				
	M3A06D-100R	J22 RFC Bridge Design, Authority R/A	15	05/02/17	05/22/17				
	M3A06D-100A	J22 RFC Bridge Design-Approved	0		05/22/17				
	Corcoran Hwy (2760+98)		428	10/01/15	05/22/17				
	Geotech		147	10/01/15	05/03/16				
	M3C06D-GEO060F	Corcoran Geotech, Field Testing & Lab work	25	10/01/15	11/05/15				
	M3C06D-GEO060	Corcoran Geotech, P/S and R/A DFR	50	11/06/15	01/21/16				
	M3C06D-GEO100	Corcoran Geotech, P/S and R/A FFR	72	01/22/16	05/03/16				
	Type Selection		119	11/02/15	04/14/16				
	M3C06D-030S	Corcoran Type Selection Report, P/S	62	11/02/15	02/02/16				
	M3C06D-030R	Corcoran Type Selection Report, Authority R/A	20	02/03/16	03/02/16				
	M3C06D-030AGN	Corcoran Type Selection Report, 3rd Party R/A	20	02/03/16	02/22/16				
	M3C06D-030CMN	Corcoran Type Selection Report, Comments Resolution	10	03/03/16	03/16/16				
	M3C06D-030TYPE	Corcoran Type Selection Report, Meeting and Approval	21	03/17/16	04/14/16				
	60% Design		120	04/15/16	09/29/16				
	M3C06D-060S	Corcoran 60% Bridge Design, P/S	77	04/15/16	08/03/16				
	M3C06D-060R	Corcoran 60% Bridge Design, Authority R/A	30	08/04/16	09/15/16				
	M3C06D-060AGN	Corcoran 60% Bridge Design, 3rd Party R/A	30	08/04/16	09/02/16				
	M3C06D-060IND	Corcoran 60% Bridge Design, Independent Check	30	08/04/16	09/15/16				
	M3C06D-060CMNT	Corcoran 60% Bridge Design, Comments Resolution	10	09/16/16	09/29/16				
	90% Design		117	09/30/16	03/13/17				
	M3C06D-090S	Corcoran 90% Bridge Design, P/S	70	09/30/16	01/12/17				
	M3C06D-090R	Corcoran 90% Bridge Design, Authority R/A	30	01/13/17	02/27/17				
	M3C06D-090AGN	Corcoran 90% Bridge Design, 3rd Party R/A	30	01/13/17	02/11/17				
	M3C06D-090CMNT	Corcoran 90% Bridge Design, Comments Resolution	10	02/28/17	03/13/17				
	RFC		50	03/14/17	05/22/17				
	M3C06D-100S	Corcoran RFC Bridge Design-P/S	35	03/14/17	05/01/17				
	M3C06D-100R	Corcoran RFC Bridge Design, Authority R/A	15	05/02/17	05/22/17				
	M3C06D-100A	Corcoran RFC Bridge Design-Approved	0		05/22/17				
	Walls/Embankment/Drainage Structures		400	07/01/15	01/10/17				
	Report for 60% Submittal		147	10/01/15	05/03/16				
	M3WALGEO-100FI	Walls, Segment 3, Geotech, Field Investigations	25	10/01/15	11/05/15				
	M3WALGEO-100DR	Walls, Segment 3, Geotech, P/S and R/A DFR	50	11/06/15	01/21/16				
	M3WALGEO-100FR	Walls, Segment 3, Geotech, P/S and R/A FFR	72	01/22/16	05/03/16				
	Type Selection		118	07/01/15	12/11/15				
	M3WALD-030S	Walls, Segment 3, Type Selection Report, P/S	62	07/01/15	09/28/15				
	M3WALD-030R	Walls, Segment 3, Type Selection Report, Authority R/A	20	09/29/15	10/27/15				
	M3WALD-030AGN	Walls, Segment 3, Type Selection Report, 3rd Party R/A	20	09/29/15	10/18/15				
	M3WALD-030CMNTS	Walls, Segment 3, Type Selection Report, Comments Resolution	10	10/28/15	11/10/15				

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish										
					2015		2016		2017		2018		2019	
	M3WALD-030TYPE	Walls, Segment 3, Type Selection Report, Meeting and Approval	21	11/11/15	12/11/15									
	60% Design		114	12/14/15	05/19/16									
	M3WALD-060S	Walls, Segment 3, 60% Design, P/S	70	12/14/15	03/24/16									
	M3WALD-060R	Walls, Segment 3, 60% Design, Authority R/A	30	03/25/16	05/05/16									
	M3WALD-060AGN	Walls, Segment 3, 60% Design, 3rd Party R/A	30	03/25/16	04/23/16									
	M3WALD-060CMNT	Walls, Segment 3, 60% Design, Comments Resolution	10	05/06/16	05/19/16									
	90% Design		113	05/20/16	10/25/16									
	M3WALD-090S	Walls, Segment 3, 90% Design, P/S	70	05/20/16	08/29/16									
	M3WALD-090R	Walls, Segment 3, 90% Design, Authority R/A	30	08/30/16	10/11/16									
	M3WALD-090AGN	Walls, Segment 3, 90% Design, 3rd Party R/A	30	08/30/16	09/28/16									
	M3WALD-090CMNT	Walls, Segment 3, 90% Design, Comments Resolution	10	10/12/16	10/25/16									
	RFC		50	10/26/16	01/10/17									
	M3WALD-100S	Walls, Segment 3, RFC Design, P/S	35	10/26/16	12/16/16									
	M3WALD-100R	Walls, Segment 3, RFC Design, Authority R/A	15	12/19/16	01/10/17									
	M3WALD-100A	Walls, Segment 3, RFC Design, Approved	0		01/10/17									
	Special Structures		400	07/01/15	01/10/17									
	Geotech		147	10/01/15	05/03/16									
	M3SPCLD-GEO060F	Special Structures, Segment 3, Geotech, Field Testing & Lab work	25	10/01/15	11/05/15									
	M3SPCLD-GEO060L	Special Structures, Segment 3, Geotech, P/S DFR	50	11/06/15	01/21/16									
	M3SPCLD-GEO100F	Special Structures, Segment 3, Geotech, P/St FFR	72	01/22/16	05/03/16									
	Type Selection		118	07/01/15	12/11/15									
	M3SPCLD-030S	Special Structures, Segment 3, Type Selection Report, P/S	62	07/01/15	09/28/15									
	M3SPCLD-030R	Special Structures, Segment 3, Type Selection Report, Authority R/A	20	09/29/15	10/27/15									
	M3SPCLD-030AGN	Special Structures, Segment 3, Type Selection Report, 3rd Party R/A	20	09/29/15	10/18/15									
	M3SPCLD-030CMNT	Special Structures, Segment 3, Type Selection Report, Comments Resolution	10	10/28/15	11/10/15									
	M3SPCLD-030TYPE	Special Structures, Segment 3, Type Selection Report, Meeting and Approval	21	11/11/15	12/11/15									
	60% Design		114	12/14/15	05/19/16									
	M3SPCLD-060S	Special Structures, Segment 3, 60% Design, P/S	70	12/14/15	03/24/16									
	M3SPCLD-060R	Special Structures, Segment 3, 60% Design, Authority R/A	30	03/25/16	05/05/16									
	M3SPCLD-060AGN	Special Structures, Segment 3, 60% Design, 3rd Party R/A	30	03/25/16	04/23/16									
	M3SPCLD-060IND	Special Structures, Segment 3, 60% Design, Independent Check	30	03/25/16	05/05/16									
	M3SPCLD-060CMNT	Special Structures, Segment 3, 60% Design, Comments Resolution	10	05/06/16	05/19/16									
	90% Design		113	05/20/16	10/25/16									
	M3SPCLD-090S	Special Structures, Segment 3, 90% Design, P/S	70	05/20/16	08/29/16									
	M3SPCLD-090R	Special Structures, Segment 3, 90% Design, Authority R/A	30	08/30/16	10/11/16									
	M3SPCLD-090AGN	Special Structures, Segment 3, 90% Design, 3rd Party R/A	30	08/30/16	09/28/16									
	M3SPCLD-090CMNT	Special Structures, Segment 3, 90% Design, Comments Resolution	10	10/12/16	10/25/16									
	RFC		50	10/26/16	01/10/17									
	M3SPCLD-100S	Special Structures, Segment 3, RFC Design, P/S	35	10/26/16	12/16/16									
	M3SPCLD-100R	Special Structures, Segment 3, RFC Design, Authority R/A	15	12/19/16	01/10/17									
	M3SPCLD-100A	Special Structures, Segment w, RFC Design, Approved	0		01/10/17									
	Concrete HST Bridge		562	07/01/15	08/24/17									
	Poplar C-2 (2996+00 to 2999+00)		428	07/01/15	02/17/17									
	Geotech		147	10/01/15	05/03/16									
	M3C12D-GEO060F	Bridge C-2b (Poplar) Geotech, Field Testing & Lab work	25	10/01/15	11/05/15									
	M3C12D-GEO060	Bridge C-2b (Poplar) Geotech, P/S and R/A DFR	50	11/06/15	01/21/16									
	M3C12D-GEO100	Bridge C-2b (Poplar) Geotech, P/S and R/A FFR	72	01/22/16	05/03/16									

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016	2017	2018	2019	
		Type Selection		118	07/01/15	12/11/15						
		M3C12D-030S	Bridge C-2b (Poplar) Type Selection Report, P/S	62	07/01/15	09/28/15						
		M3C12D-030R	Bridge C-2b (Poplar) Type Selection Report, Authority R/A	20	09/29/15	10/27/15						
		M3C12D-030AGN	Bridge C-2b (Poplar) Type Selection Report, 3rd Party R/A	20	09/29/15	10/18/15						
		M3C12D-030CMN	Bridge C-2b (Poplar) Type Selection Report, Comments Resolution	10	10/28/15	11/10/15						
		M3C12D-030TYPE	Bridge C-2b (Poplar) Type Selection Report, Meeting and Approval	21	11/11/15	12/11/15						
		60% Design		142	12/14/15	06/28/16						
		M3C12D-060S	Bridge C-2b (Poplar) 60% Bridge Design, P/S	97	12/14/15	05/02/16						
		M3C12D-060R	Bridge C-2b (Poplar) 60% Bridge Design, Authority R/A	30	05/03/16	06/14/16						
		M3C12D-060AGN	Bridge C-2b (Poplar) 60% Bridge Design, 3rd Party R/A	30	05/03/16	06/01/16						
		M3C12D-060IND	Bridge C-2b (Poplar) 60% Bridge Design, Independent Check	40	05/03/16	06/28/16						
		M3C12D-060CMNT	Bridge C-2b (Poplar) 60% Bridge Design, Comments Resolution	10	06/15/16	06/28/16						
		90% Design		115	06/29/16	12/06/16						
		M3C12D-090S	Bridge C-2b (Poplar) 90% Bridge Design, P/S	70	06/29/16	10/06/16						
		M3C12D-090R	Bridge C-2b (Poplar) 90% Bridge Design, Authority R/A	30	10/07/16	11/18/16						
		M3C12D-090AGN	Bridge C-2b (Poplar) 90% Bridge Design, 3rd Party R/A	30	10/07/16	11/05/16						
		M3C12D-090CMNT	Bridge C-2b (Poplar) 90% Bridge Design, Comments Resolution	10	11/21/16	12/06/16						
		RFC		50	12/07/16	02/17/17						
		M3C12D-100S	Bridge C-2b (Poplar) RFC Bridge Design-P/S	35	12/07/16	01/27/17						
		M3C12D-100R	Bridge C-2b (Poplar) RFC Bridge Design, Authority R/A	15	01/30/17	02/17/17						
		M3C126D-100A	Bridge C-2b (Poplar) RFC Bridge Design-Approved	0		02/17/17						
		SR-43 C-3 (3002+00 to 3011+00)		428	08/10/15	03/29/17						
		Geotech		147	10/01/15	05/03/16						
		M3C14D-GEO060F	Bridge C-3b (SR-43) Geotech, Field Testing & Lab work	25	10/01/15	11/05/15						
		M3C14D-GEO060	Bridge C-3b (SR-43) Geotech, P/S and R/A DFR	50	11/06/15	01/21/16						
		M3C14D-GEO100	Bridge C-3b (SR-43) Geotech, P/S and R/A FFR	72	01/22/16	05/03/16						
		Type Selection		120	08/10/15	01/22/16						
		M3C14D-030S	Bridge C-3b (SR-43) Type Selection Report, P/S	62	08/10/15	11/05/15						
		M3C14D-030R	Bridge C-3b (SR-43) Type Selection Report, Authority R/A	20	11/06/15	12/07/15						
		M3C14D-030AGN	Bridge C-3b (SR-43) Type Selection Report, 3rd Party R/A	20	11/06/15	11/25/15						
		M3C14D-030CMN	Bridge C-3b (SR-43) Type Selection Report, Comments Resolution	10	12/08/15	12/21/15						
		M3C14D-030TYPE	Bridge C-3b (SR-43) Type Selection Report, Meeting and Approval	21	12/22/15	01/22/16						
		60% Design		140	01/25/16	08/05/16						
		M3C14D-060S	Bridge C-3b (SR-43) 60% Bridge Design, P/S	97	01/25/16	06/09/16						
		M3C14D-060R	Bridge C-3b (SR-43) 60% Bridge Design, Authority R/A	30	06/10/16	07/22/16						
		M3C14D-060AGN	Bridge C-3b (SR-43) 60% Bridge Design, 3rd Party R/A	30	06/10/16	07/09/16						
		M3C14D-060IND	Bridge C-3b (SR-43) 60% Bridge Design, Independent Check	30	06/10/16	07/22/16						
		M3C14D-060CMNT	Bridge C-3b (SR-43) 60% Bridge Design, Comments Resolution	10	07/25/16	08/05/16						
		90% Design		117	08/08/16	01/17/17						
		M3C14D-090S	Bridge C-3b (SR-43) 90% Bridge Design, P/S	70	08/08/16	11/15/16						
		M3C14D-090R	Bridge C-3b (SR-43) 90% Bridge Design, Authority R/A	30	11/16/16	12/30/16						
		M3C14D-090AGN	Bridge C-3b (SR-43) 90% Bridge Design, 3rd Party R/A	30	11/16/16	12/15/16						
M3C14D-090CMNT	Bridge C-3b (SR-43) 90% Bridge Design, Comments Resolution	10	01/03/17	01/17/17								
RFC		50	01/18/17	03/29/17								
M3C14D-100S	Bridge C-3b (SR-43) RFC Bridge Design-P/S	35	01/18/17	03/08/17								
M3C14D-100R	Bridge C-3b (SR-43) RFC Bridge Design, Authority R/A	15	03/09/17	03/29/17								
M3C146D-100A	Bridge C-3b (SR-43) RFC Bridge Design-Approved	0		03/29/17								

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016	2017	2018	2019
Stoil Spur (4030+45 to 4044+85)			428	07/01/15	02/17/17						
Geotech			147	10/01/15	05/03/16						
M3A03D-GEO060F	Bridge A-2 (Stoil Spur Box Girder)	Geotech, Field Testing & Lab work	25	10/01/15	11/05/15						
M3A03D-GEO060	Bridge A-2 (Stoil Spur Box Girder)	Geotech, P/S and R/A DFR	50	11/06/15	01/21/16						
M3A03D-GEO100	Bridge A-2 (Stoil Spur Box Girder)	Geotech, P/S and R/A FFR	72	01/22/16	05/03/16						
Type Selection			118	07/01/15	12/11/15						
M3A03D-030S	Bridge A-2 (Stoil Spur Box Girder)	Type Selection Report, P/S	62	07/01/15	09/28/15						
M3A03D-030R	Bridge A-2 (Stoil Spur Box Girder)	Type Selection Report, Authority R/A	20	09/29/15	10/27/15						
M3A03D-030AGN	Bridge A-2 (Stoil Spur Box Girder)	Type Selection Report, 3rd Party R/A	20	09/29/15	10/18/15						
M3A03D-030CMN	Bridge A-2 (Stoil Spur Box Girder)	Type Selection Report, Comments Resolution	10	10/28/15	11/10/15						
M3A03D-030TYPE	Bridge A-2 (Stoil Spur Box Girder)	Type Selection Report, Meeting and Approval	21	11/11/15	12/11/15						
60% Design			142	12/14/15	06/28/16						
M3A03D-060S	Bridge A-2 (Stoil Spur Box Girder)	60% Bridge Design, P/S	97	12/14/15	05/02/16						
M3A03D-060R	Bridge A-2 (Stoil Spur Box Girder)	60% Bridge Design, Authority R/A	30	05/03/16	06/14/16						
M3A03D-060AGN	Bridge A-2 (Stoil Spur Box Girder)	60% Bridge Design, 3rd Party R/A	30	05/03/16	06/01/16						
M3A03D-060IND	Bridge A-2 (Stoil Spur Box Girder)	60% Bridge Design, Independent Check	30	05/03/16	06/14/16						
M3A03D-060CMNT	Bridge A-2 (Stoil Spur Box Girder)	60% Bridge Design, Comments Resolution	10	06/15/16	06/28/16						
90% Design			115	06/29/16	12/06/16						
M3A03D-090S	Bridge A-2 (Stoil Spur Box Girder)	90% Bridge Design, P/S	70	06/29/16	10/06/16						
M3A03D-090R	Bridge A-2 (Stoil Spur Box Girder)	90% Bridge Design, Authority R/A	30	10/07/16	11/18/16						
M3A03D-090AGN	Bridge A-2 (Stoil Spur Box Girder)	90% Bridge Design, 3rd Party R/A	30	10/07/16	11/05/16						
M3A03D-090CMNT	Bridge A-2 (Stoil Spur Box Girder)	90% Bridge Design, Comments Resolution	10	11/21/16	12/06/16						
RFC			50	12/07/16	02/17/17						
M3A03D-100S	Bridge A-2 (Stoil Spur Box Girder)	RFC Bridge Design-P/S	35	12/07/16	01/27/17						
M3A03D-100R	Bridge A-2 (Stoil Spur Box Girder)	RFC Bridge Design, Authority R/A	15	01/30/17	02/17/17						
M3A03D-100A	Bridge A-2 (Stoil Spur Box Girder)	RFC Bridge Design-Approved	0		02/17/17						
Tule (C5) (3029+00 to 3032+00)			428	08/10/15	03/29/17						
Geotech			147	10/01/15	05/03/16						
M3C16D-GEO060F	Bridge C-5 (Tule)	Geotech, Field Testing & Lab work	25	10/01/15	11/05/15						
M3C16D-GEO060	Bridge C-5 (Tule)	Geotech, P/S and R/A DFR	50	11/06/15	01/21/16						
M3C16D-GEO100	Bridge C-5 (Tule)	Geotech, P/S and R/A FFR	72	01/22/16	05/03/16						
Type Selection			120	08/10/15	01/22/16						
M3C16D-030S	Bridge C-5 (Tule)	Type Selection Report, P/S	62	08/10/15	11/05/15						
M3C16D-030R	Bridge C-5 (Tule)	Type Selection Report, Authority R/A	20	11/06/15	12/07/15						
M3C16D-030AGN	Bridge C-5 (Tule)	Type Selection Report, 3rd Party R/A	20	11/06/15	11/25/15						
M3C16D-030CMN	Bridge C-5 (Tule)	Type Selection Report, Comments Resolution	10	12/08/15	12/21/15						
M3C16D-030TYPE	Bridge C-5 (Tule)	Type Selection Report, Meeting and Approval	21	12/22/15	01/22/16						
60% Design			140	01/25/16	08/05/16						
M3C16D-060S	Bridge C-5 (Tule)	60% Bridge Design, P/S	97	01/25/16	06/09/16						
M3C16D-060R	Bridge C-5 (Tule)	60% Bridge Design, Authority R/A	30	06/10/16	07/22/16						
M3C16D-060AGN	Bridge C-5 (Tule)	60% Bridge Design, 3rd Party R/A	30	06/10/16	07/09/16						
M3C16D-060IND	Bridge C-5 (Tule)	60% Bridge Design, Independent Check	40	06/10/16	08/05/16						
M3C16D-060CMNT	Bridge C-5 (Tule)	60% Bridge Design, Comments Resolution	10	07/25/16	08/05/16						
90% Design			117	08/08/16	01/17/17						
M3C16D-090S	Bridge C-5 (Tule)	90% Bridge Design, P/S	70	08/08/16	11/15/16						
M3C16D-090R	Bridge C-5 (Tule)	90% Bridge Design, Authority R/A	30	11/16/16	12/30/16						
M3C16D-090AGN	Bridge C-5 (Tule)	90% Bridge Design, 3rd Party R/A	30	11/16/16	12/15/16						

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish					
					2015		2016		2017
	M3C16D-090CMNT	Bridge C-5 (Tule) 90% Bridge Design, Comments Resolution	10	01/03/17	01/17/17				
	RFC		50	01/18/17	03/29/17				
	M3C16D-100S	Bridge C-5 (Tule) RFC Bridge Design-P/S	35	01/18/17	03/08/17				
	M3C16D-100R	Bridge C-5 (Tule) RFC Bridge Design, Authority R/A	15	03/09/17	03/29/17				
	M3C16D-100A	Bridge C-5 (Tule) RFC Bridge Design-Approved	0		03/29/17				
	Stoil Spurr Truss		504	09/21/15	08/24/17				
	Geotech		157	10/01/15	05/17/16				
	M3A04D-GEO060F	Stoil Spur A-3 (Truss) Geotech, Field Testing & Lab work	35	10/01/15	11/19/15				
	M3A04D-GEO060	Stoil Spur A-3 (Truss) Geotech, P/S and R/A DFR	50	11/20/15	02/04/16				
	M3A04D-GEO100	Stoil Spur A-3 (Truss) Geotech, P/S and R/A FFR	72	02/05/16	05/17/16				
	Type Selection		135	09/21/15	03/25/16				
	M3A04D-030S	Stoil Spur A-3 (Truss) Type Selection Report, P/S	77	09/21/15	01/12/16				
	M3A04D-030R	Stoil Spur A-3 (Truss) Type Selection Report, Authority R/A	20	01/13/16	02/10/16				
	M3A04D-030AGN	Stoil Spur A-3 (Truss) Type Selection Report, 3rd Party R/A	20	01/13/16	02/01/16				
	M3A04D-030CMN	Stoil Spur A-3 (Truss) Type Selection Report, Comments Resolution	10	02/11/16	02/25/16				
	M3A04D-030TYPE	Stoil Spur A-3 (Truss) Type Selection Report, Meeting and Approval	21	02/26/16	03/25/16				
	60% Design		185	04/25/16	01/06/17				
	M3A04D-060S	Stoil Spur A-3 (Truss) 60% Bridge Design, P/S	137	04/25/16	11/04/16				
	M3A04D-060R	Stoil Spur A-3 (Truss) 60% Bridge Design, Authority R/A	30	11/07/16	12/21/16				
	M3A04D-060AGN	Stoil Spur A-3 (Truss) 60% Bridge Design, 3rd Party R/A	30	11/07/16	12/06/16				
	M3A04D-060IND	Stoil Spur A-3 (Truss) 60% Bridge Design, Independent Check	40	11/07/16	01/06/17				
	M3A04D-060CMNT	Stoil Spur A-3 (Truss) 60% Bridge Design, Comments Resolution	10	12/22/16	01/06/17				
	BNSF Design Package		302	03/28/16	05/23/17				
	M3A04D-030BNSI	Stoil Spur A-3 (Truss) BNSF Design Package, P/S	20	03/28/16	04/22/16				
	M3A04D-030BNSI	Stoil Spur A-3 (Truss) BNSF Design Package, BNSF R/A	45	04/25/16	06/27/16				
	M3A04D-030CPUC	Stoil Spur A-3 (Truss) BNSF Design Package, CPUC R/A	330	06/28/16	05/23/17				
	90% Design		113	01/09/17	06/14/17				
	M3A04D-090S	Stoil Spur A-3 (Truss) 90% Bridge Design, P/S	70	01/09/17	04/18/17				
	M3A04D-090R	Stoil Spur A-3 (Truss) 90% Bridge Design, Authority R/A	30	04/19/17	05/31/17				
	M3A04D-090AGN	Stoil Spur A-3 (Truss) 90% Bridge Design, 3rd Party R/A	30	04/19/17	05/18/17				
	M3A04D-090CMNT	Stoil Spur A-3 (Truss) 90% Bridge Design, Comments Resolution	10	06/01/17	06/14/17				
	RFC		50	06/15/17	08/24/17				
	M3A04D-100S	Stoil Spur A-3 (Truss) RFC Bridge Design-P/S	35	06/15/17	08/03/17				
	M3A04D-100R	Stoil Spur A-3 (Truss) RFC Bridge Design, Authority R/A	15	08/04/17	08/24/17				
	M3A04D-100A	Stoil Spur A-3 (Truss) RFC Bridge Design-Approved	0		08/24/17				
	Deer Creek Viaduct A-1 (4006+00 to 4007+00)		428	07/01/15	02/17/17				
	Geotech		147	10/01/15	05/03/16				
	M3A02D-GEO060F	Bridge A-1 (Deer Creek Box) Geotech, Field Testing & Lab work	25	10/01/15	11/05/15				
	M3A02D-GEO060	Bridge A-1 (Deer Creek Box) Geotech, P/S and R/A DFR	50	11/06/15	01/21/16				
	M3A02D-GEO100	Bridge A-1 (Deer Creek Box) Geotech, P/S and R/A FFR	72	01/22/16	05/03/16				
	Type Selection		118	07/01/15	12/11/15				
	M3A02D-030S	Bridge A-1 (Deer Creek Box) Type Selection Report, P/S	62	07/01/15	09/28/15				
	M3A02D-030R	Bridge A-1 (Deer Creek Box) Type Selection Report, Authority R/A	20	09/29/15	10/27/15				
	M3A02D-030AGN	Bridge A-1 (Deer Creek Box) Type Selection Report, 3rd Party R/A	20	09/29/15	10/18/15				
	M3A02D-030CMN	Bridge A-1 (Deer Creek Box) Type Selection Report, Comments Resolution	10	10/28/15	11/10/15				
	M3A02D-030TYPE	Bridge A-1 (Deer Creek Box) Type Selection Report, Meeting and Approval	21	11/11/15	12/11/15				
	60% Design		142	12/14/15	06/28/16				

- Remaining Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone



Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish					
					2015		2016		2017
	M3A02D-060S	Bridge A-1 (Deer Creek Box) 60% Bridge Design, P/S	97	12/14/15	05/02/16				
	M3A02D-060R	Bridge A-1 (Deer Creek Box) 60% Bridge Design, Authority R/A	30	05/03/16	06/14/16				
	M3A02D-060AGN	Bridge A-1 (Deer Creek Box) 60% Bridge Design, 3rd Party R/A	30	05/03/16	06/01/16				
	M3A02D-060IND	Bridge A-1 (Deer Creek Box) 60% Bridge Design, Independent Check	30	05/03/16	06/14/16				
	M3A02D-060CMNT	Bridge A-1 (Deer Creek Box) 60% Bridge Design, Comments Resolution	10	06/15/16	06/28/16				
	90% Design		115	06/29/16	12/06/16				
	M3A02D-090S	Bridge A-1 (Deer Creek Box) 90% Bridge Design, P/S	70	06/29/16	10/06/16				
	M3A02D-090R	Bridge A-1 (Deer Creek Box) 90% Bridge Design, Authority R/A	30	10/07/16	11/18/16				
	M3A02D-090AGN	Bridge A-1 (Deer Creek Box) 90% Bridge Design, 3rd Party R/A	30	10/07/16	11/05/16				
	M3A02D-090CMNT	Bridge A-1 (Deer Creek Box) 90% Bridge Design, Comments Resolution	10	11/21/16	12/06/16				
	RFC		50	12/07/16	02/17/17				
	M3A02D-100S	Bridge A-1 (Deer Creek Box) RFC Bridge Design-P/S	35	12/07/16	01/27/17				
	M3A02D-100R	Bridge A-1 (Deer Creek Box) RFC Bridge Design, Authority R/A	15	01/30/17	02/17/17				
	M3A02D-100A	Bridge A-1 (Deer Creek Box) RFC Bridge Design-Approved	0		02/17/17				
	Whitley C-1 (2810+00 to 2820+00)		408	08/10/15	03/01/17				
	Geotech		147	10/01/15	05/03/16				
	M3C08D-GEO060F	Bridge C-1 (SR137 & Whitley) Geotech, Field Testing & Lab work	25	10/01/15	11/05/15				
	M3C08D-GEO060	Bridge C-1 (SR137 & Whitley) Geotech, P/S and R/A DFR	50	11/06/15	01/21/16				
	M3C08D-GEO100	Bridge C-1 (SR137 & Whitley) Geotech, P/S and R/A FFR	72	01/22/16	05/03/16				
	Type Selection		120	08/10/15	01/22/16				
	M3C08D-030S	Bridge C-1 (SR137 & Whitley) Type Selection Report, P/S	62	08/10/15	11/05/15				
	M3C08D-030R	Bridge C-1 (SR137 & Whitley) Type Selection Report, Authority R/A	20	11/06/15	12/07/15				
	M3C08D-030AGN	Bridge C-1 (SR137 & Whitley) Type Selection Report, 3rd Party R/A	20	11/06/15	11/25/15				
	M3C08D-030CMN	Bridge C-1 (SR137 & Whitley) Type Selection Report, Comments Resolution	10	12/08/15	12/21/15				
	M3C08D-030TYPE	Bridge C-1 (SR137 & Whitley) Type Selection Report, Meeting and Approval	21	12/22/15	01/22/16				
	60% Design		120	01/25/16	07/08/16				
	M3C08D-060S	Bridge C-1 (SR137 & Whitley) 60% Bridge Design, P/S	77	01/25/16	05/11/16				
	M3C08D-060R	Bridge C-1 (SR137 & Whitley) 60% Bridge Design, Authority R/A	30	05/12/16	06/23/16				
	M3C08D-060AGN	Bridge C-1 (SR137 & Whitley) 60% Bridge Design, 3rd Party R/A	30	05/12/16	06/10/16				
	M3C08D-060IND	Bridge C-1 (SR137 & Whitley) 60% Bridge Design, Independent Check	30	05/12/16	06/23/16				
	M3C08D-060CMNT	Bridge C-1 (SR137 & Whitley) 60% Bridge Design, Comments Resolution	10	06/24/16	07/08/16				
	90% Design		114	07/11/16	12/15/16				
	M3C08D-090S	Bridge C-1 (SR137 & Whitley) 90% Bridge Design, P/S	70	07/11/16	10/17/16				
	M3C08D-090R	Bridge C-1 (SR137 & Whitley) 90% Bridge Design, Authority R/A	30	10/18/16	12/01/16				
	M3C08D-090AGN	Bridge C-1 (SR137 & Whitley) 90% Bridge Design, 3rd Party R/A	30	10/18/16	11/16/16				
	M3C08D-090CMNT	Bridge C-1 (SR137 & Whitley) 90% Bridge Design, Comments Resolution	10	12/02/16	12/15/16				
	RFC		50	12/16/16	03/01/17				
	M3C08D-100S	Bridge C-1 (SR137 & Whitley) RFC Bridge Design-P/S	35	12/16/16	02/07/17				
	M3C08D-100R	Bridge C-1 (SR137 & Whitley) RFC Bridge Design, Authority R/A	15	02/08/17	03/01/17				
	M3C086D-100A	Bridge C-1 (SR137 & Whitley) RFC Bridge Design-Approved	0		03/01/17				
	BNSF (C4) (3011+00 to 3029+00)		484	09/21/15	07/27/17				
	Geotech		147	10/01/15	05/03/16				
	M3C15D-GEO060F	Bridge C-4 (BNSF Straddle) Geotech, Field Testing & Lab work	25	10/01/15	11/05/15				
	M3C15D-GEO060	Bridge C-4 (BNSF Straddle) Geotech, P/S and R/A DFR	50	11/06/15	01/21/16				
	M3C15D-GEO100	Bridge C-4 (BNSF Straddle) Geotech, P/S and R/A FFR	72	01/22/16	05/03/16				
	Type Selection		135	09/21/15	03/25/16				
	M3C15D-030S	Bridge C-4 (BNSF Straddle) Type Selection Report, P/S	77	09/21/15	01/12/16				

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016	2017	2018	2019
<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	M3C15D-030R	Bridge C-4 (BNSF Straddle) Type Selection Report, Authority R/A	20	01/13/16	02/10/16			<div></div>			
	M3C15D-030AGN	Bridge C-4 (BNSF Straddle) Type Selection Report, 3rd Party R/A	20	01/13/16	02/01/16			<div></div>			
	M3C15D-030CMN	Bridge C-4 (BNSF Straddle) Type Selection Report, Comments Resolution	10	02/11/16	02/25/16			<div></div>			
	M3C15D-030TYPE	Bridge C-4 (BNSF Straddle) Type Selection Report, Meeting and Approval	21	02/26/16	03/25/16			<div></div>			
	60% Design		173	04/25/16	12/21/16						
	M3C15D-060S	Bridge C-4 (BNSF Straddle) 60% Bridge Design, P/S	117	04/25/16	10/07/16			<div></div>			
	M3C15D-060R	Bridge C-4 (BNSF Straddle) 60% Bridge Design, Authority R/A	30	10/10/16	11/21/16			<div></div>			
	M3C15D-060AGN	Bridge C-4 (BNSF Straddle) 60% Bridge Design, 3rd Party R/A	30	10/10/16	11/08/16			<div></div>			
	M3C15D-060IND	Bridge C-4 (BNSF Straddle) 60% Bridge Design, Independent Check	50	10/10/16	12/21/16			<div></div>			
	M3C15D-060CMNT	Bridge C-4 (BNSF Straddle) 60% Bridge Design, Comments Resolution	10	11/22/16	12/07/16			<div></div>			
	BNSF Design Package		302	03/28/16	05/23/17						
	M3C15D-030BNSI	Bridge C-4 (BNSF Straddle), BNSF Design Package, P/S	20	03/28/16	04/22/16			<div></div>			
	M3C15D-030BNSI	Bridge C-4 (BNSF Straddle), BNSF Design Package, BNSF R/A	45	04/25/16	06/27/16			<div></div>			
	M3C15D-030CPUC	Bridge C-4 (BNSF Straddle), BNSF Design Package, CPUC R/A	330	06/28/16	05/23/17			<div></div>			
	90% Design		114	12/08/16	05/16/17						
	M3C15D-090S	Bridge C-4 (BNSF Straddle) 90% Bridge Design, P/S	70	12/08/16	03/21/17			<div></div>			
	M3C15D-090R	Bridge C-4 (BNSF Straddle) 90% Bridge Design, Authority R/A	30	03/22/17	05/02/17			<div></div>			
	M3C15D-090AGN	Bridge C-4 (BNSF Straddle) 90% Bridge Design, 3rd Party R/A	30	03/22/17	04/20/17			<div></div>			
	M3C15D-090CMNT	Bridge C-4 (BNSF Straddle) 90% Bridge Design, Comments Resolution	10	05/03/17	05/16/17			<div></div>			
	RFC		50	05/17/17	07/27/17						
	M3C15D-100S	Bridge C-4 (BNSF Straddle) RFC Bridge Design-P/S	35	05/17/17	07/06/17			<div></div>			
	M3C15D-100R	Bridge C-4 (BNSF Straddle) RFC Bridge Design, Authority R/A	15	07/07/17	07/27/17			<div></div>			
	M3C15D-100A	Bridge C-4 (BNSF Straddle) RFC Bridge Design-Approved	0		07/27/17				<div></div>		
ROW			249	01/10/16	09/15/16						
ROWG34			0	01/10/16				<div></div>			
ROWG34RR			0	01/10/16				<div></div>			
ROWG39			0	01/23/16				<div></div>			
ROWG3(B			0	01/23/16				<div></div>			
ROWG36			0	02/22/16				<div></div>			
ROWG38			0	02/22/16				<div></div>			
ROWG39A			0	04/09/16				<div></div>			
ROWG35			0	04/12/16				<div></div>			
ROWG40			0	04/12/16				<div></div>			
ROWG35RR			0	06/16/16				<div></div>			
ROWG36RR			0	06/16/16				<div></div>			
ROWG37RR			0	06/16/16				<div></div>			
ROWG37RR1			0	06/16/16				<div></div>			
ROWG32			0	07/16/16				<div></div>			
ROWG33			0	07/21/16				<div></div>			
ROWG37			0	09/15/16				<div></div>			
Construction			668	09/26/16	04/17/19						
Alignment C2			639	09/26/16	03/07/19						
C2-2595+00 to C2-2615+00			152	08/16/17	03/15/18						
Grubb and Demolition			5	08/16/17	08/22/17						
M3C01C-1000			5	08/16/17	08/22/17				<div></div>		
RCBC & Irrigation Relocation			10	08/25/17	09/08/17						
M3C01BCA-100			10	08/25/17	09/08/17				<div></div>		

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016		2017		2018		2019	
		Track	147	08/23/17	03/15/18										
		M3C01TE-110	C2-2595+00 to C2-2615+00, HST Track Common Fill (FLOOD)	12	08/23/17										09/08/17
		M3C01TE-120	C2-2595+00 to C2-2615+00, HST Track Common Fill, Surcharge Wait	180	09/09/17										03/07/18
		M3C01TE-130	C2-2595+00 to C2-2615+00, HST Track Subgrade	4	03/08/18										03/13/18
		M3C01TE-140	C2-2595+00 to C2-2615+00, HST Track AC	2	03/14/18	03/15/18									
C2-2615+00 to C2-2625+00 (Nevada)			281	01/13/17	02/09/18										
Grubb and Demolition			5	01/13/17	01/20/17										
		M3C02C-1000	Nevada Ave. (C2-2615+000 to C2-2625+00), Clear & Grubb	5	01/13/17	01/20/17									
Structure (4 span)			125	01/23/17	07/14/17										
		M3C02S-1020	Nevada Ave., Foundations	17	01/23/17	02/14/17									
		M3C02S-0001	Nevada Ave., Start Structure	0	01/23/17										
		M3C02S-1040	Nevada Ave., F/R/P Columns	50	02/06/17	04/17/17									
		M3C02S-1050	Nevada Ave., F/R/P Bent Caps	50	03/07/17	05/15/17									
		M3C02S-1080	Nevada Ave., Cure Concrete for Precast	21	05/16/17	06/05/17									
		M3C02S-1110	Nevada Ave., Place Precast Girders	5	06/06/17	06/12/17									
		M3C02S-1120	Nevada Ave., Deck Rebar/Forms & Pour	23	06/13/17	07/14/17									
Access Road			49	10/02/17	12/12/17										
		M3C02S-1090	Nevada Ave., Build Embankments to Final Grade	15	10/02/17*	10/20/17									
		M3C02S-1130	Nevada Ave., Deck & Road Pavements	25	10/23/17	11/29/17									
		M3C02S-1100	Nevada Ave., Hydroseed Embankments	5	10/23/17	10/27/17									
		M3C02S-1140	Nevada Ave., Landscape/Permanent BMPS/Fencing	21	11/09/17	12/12/17									
		M3C02S-9000	Nevada Ave., Open for Traffic & Ready for Track work	0		12/12/17									
RCBC & Irrigation Relocation			110	01/23/17	06/27/17										
		M3C02BCA-100	Nevada Ave. (C2-2615+000 to C2-2625+00), CIP Irrigation Culverts	110	01/23/17	06/27/17									
Track			138	08/02/17	02/09/18										
		M3C02TE-110	Nevada Ave. (C2-2615+000 to C2-2625+00), HST Track Common Fill	7	08/02/17	08/10/17									
		M3C02TE-120	Nevada Ave. (C2-2615+000 to C2-2625+00), HST Track Common Fill, Surcharg...	180	08/11/17	02/06/18									
		M3C02TE-130	Nevada Ave. (C2-2615+000 to C2-2625+00), HST Track Subgrade	2	02/07/18	02/08/18									
		M3C02TE-140	Nevada Ave. (C2-2615+000 to C2-2625+00), HST Track AC	1	02/09/18	02/09/18									
C2-2625+00 to C2-2655+00			212	07/12/17	05/03/18										
Grubb and Demolition			5	07/12/17	07/18/17										
		M3C03C-1000	C2-2595+00 to C2-2615+00, Clear & Grubb	5	07/12/17	07/18/17									
RCBC & Irrigation Relocation			69	07/19/17	10/24/17										
		M3C03BCA-100	C2-2595+00 to C2-2615+00, CIP Irrigation Culverts	40	07/19/17	09/13/17									
		M3C03BCA-110	C2-2595+00 to C2-2615+00, Precast Drainage Culverts	15	10/04/17	10/24/17									
Track			166	09/14/17	05/03/18										
		M3C03TE-110	C2-2625+00 to C2-2655+00, HST Track Common Fill	29	09/14/17	10/24/17									
		M3C03TE-120	C2-2625+00 to C2-2655+00, HST Track Common Fill, Surcharge Wait	180	10/25/17	04/22/18									
		M3C03TE-130	C2-2625+00 to C2-2655+00, HST Track Subgrade	6	04/23/18	04/30/18									
		M3C03TE-140	C2-2625+00 to C2-2655+00, HST Track AC	3	05/01/18	05/03/18									
C2-2655+00 to C2-2700+00			430	10/24/16	06/15/18										
Grubb and Demolition			5	10/24/16	10/28/16										
		M3C04C-1000	C2-2655+00 to C2-2700+00, Clear & Grubb	5	10/24/16*	10/28/16									
RCBC & Irrigation Relocation			80	08/01/17	11/22/17										
		M3C04BC-100	C2-2655+00 to C2-2700+00, CIP Irrigation Culverts & Canals	60	08/01/17	10/24/17									
		M3C04BC-110	C2-2655+00 to C2-2700+00, Precast Drainage Culverts	15	11/01/17	11/22/17									
Track			168	10/25/17	06/15/18										

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish										
					2015		2016		2017		2018		2019	
	M3C04TE-110	C2-2655+00 to C2-2700+00, HST Track Common Fill	22	10/25/17	11/28/17									
	M3C04TE-120	C2-2655+00 to C2-2700+00, HST Track Common Fill, Surcharge Wait	180	11/29/17	05/27/18									
	M3C04TE-130	C2-2655+00 to C2-2700+00, HST Track Subgrade	9	05/29/18	06/08/18									
	M3C04TE-140	C2-2655+00 to C2-2700+00, HST Track AC	5	06/11/18	06/15/18									
	C2-2700+00 to C2-2755+00		344	10/02/17	01/24/19									
	Grubb and Demolition		50	10/02/17	12/13/17									
	M3C05C-1010	C2-2700+00 to C2-2755+00, Demolition	30	10/02/17*	11/13/17									
	M3C05C-1000	C2-2700+00 to C2-2755+00, Clear & Grubb	5	11/14/17	11/20/17									
	M3C05C-1020	C2-2700+00 to C2-2755+00, Re-align Road (east side)	15	11/21/17	12/13/17									
	RCBC & Irrigation Relocation		139	11/21/17	06/12/18									
	M3C05BCA-100	C2-2700+00 to C2-2755+00, CIP Irrigation Culverts & Canals	110	11/21/17	05/01/18									
	M3C05BCA-110	C2-2700+00 to C2-2755+00, Precast Drainage Culverts	15	05/22/18	06/12/18									
	Track		188	05/08/18	01/24/19									
	M3C05TE-110	C2-2700+00 to C2-2755+00, HST Track Common Fill	40	05/08/18	07/03/18									
	M3C05TE-120	C2-2700+00 to C2-2755+00, HST Track Common Fill, Surcharge Wait	180	07/04/18	12/30/18									
	M3C05TE-130	C2-2700+00 to C2-2755+00, HST Track Subgrade	11	12/31/18	01/15/19									
	M3C05TE-140	C2-2700+00 to C2-2755+00, HST Track AC	6	01/16/19	01/24/19									
	C2-2755+00 to C2770+00 (Corocran)		605	09/26/16	01/18/19									
	Grubb and Demolition		258	09/26/16	10/04/17									
	M3C06C-1010	Corcoran Hwy. (C2-2755+00 to C2-2770+00), Demolition	30	09/26/16	11/04/16									
	M3C06C-1000	Corcoran Hwy. (C2-2755+00 to C2-2770+00), Clear & Grubb	5	11/07/16	11/14/16									
	M3C06C-1030	Corcoran Hwy. (C2-2755+00 to C2-2770+00), Move utilities	200	11/15/16	08/31/17									
	M3C06C-1020	Corcoran Hwy. (C2-2755+00 to C2-2770+00), Construct Detour (Permanent Acc...	20	09/07/17	10/04/17									
	Structure (2 Span)		100	10/05/17	02/21/18									
	M3C06S-1020	Corcoran Hwy., Foundations	11	10/05/17	10/19/17									
	M3C06S-0001	Corcoran Hwy., Start Structure	0	10/05/17										
	M3C06S-1040	Corcoran Hwy., F/R/P Columns	30	10/20/17	12/05/17									
	M3C06S-1050	Corcoran Hwy., F/R/P Bent Caps	30	11/13/17	12/27/17									
	M3C06S-1080	Corcoran Hwy., Cure Concrete for Precast	21	12/28/17	01/17/18									
	M3C06S-1110	Corcoran Hwy., Place Precast Girders	3	01/18/18	01/22/18									
	M3C06S-1120	Corcoran Hwy., Deck Rebar/Forms & Pour	13	02/02/18	02/21/18									
	Access Roads		78	04/27/18	08/16/18									
	M3C06S-1090	Corcoran Hwy., Build Embankments to Final Grade	48	04/27/18	07/05/18									
	M3C06S-1130	Corcoran Hwy., Deck & Road Pavements	22	07/06/18	08/06/18									
	M3C06S-1100	Corcoran Hwy., Hydroseed Embankments	5	07/06/18	07/12/18									
	M3C06S-1140	Corcoran Hwy., Landscape/Permanent BMPS/Fencing	19	07/23/18	08/16/18									
	M3C06S-9000	Corcoran Hwy., Open for Traffic & Ready for Track work	0		08/16/18									
	Track		142	07/05/18	01/18/19									
	M3C06TE-110	Corcoran Hwy. (C2-2755+00 to C2-2770+00), HST Track Common Fill	9	07/05/18	07/17/18									
	M3C06TE-120	Corcoran Hwy. (C2-2755+00 to C2-2770+00), HST Track Common Fill, Surchar...	180	07/18/18	01/13/19									
	M3C06TE-130	Corcoran Hwy. (C2-2755+00 to C2-2770+00), HST Track Subgrade	3	01/14/19	01/16/19									
	M3C06TE-140	Corcoran Hwy. (C2-2755+00 to C2-2770+00), HST Track AC	2	01/17/19	01/18/19									
	C2770+00 to C2-2810+00		179	11/20/17	07/26/18									
	Grubb and Demolition		5	11/20/17	11/28/17									
	M3C07C-1000	C2-2770+00 to C2-2810+00, Clear & Grubb	5	11/20/17	11/28/17									
	RCBC & Irrigation Relocation		15	12/06/17	12/27/17									
	M3C07BCA-110	C2-2770+00 to C2-2810+00, Precast Drainage Culverts	15	12/06/17	12/27/17									

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016	2017	2018	2019
		Track	172	11/29/17	07/26/18						
		M3C07TE-110 C2-2770+00 to C2-2810+00, HST Track Common Fill	30	11/29/17	01/11/18						
		M3C07TE-120 C2-2770+00 to C2-2810+00, HST Track Common Fill, Surcharge Wait	180	01/12/18	07/10/18						
		M3C07TE-130 C2-2770+00 to C2-2810+00, HST Track Subgrade	8	07/11/18	07/20/18						
		M3C07TE-140 C2-2770+00 to C2-2810+00, HST Track AC	4	07/23/18	07/26/18						
		C2-2810+00 to C2-2820+00 (SR 137)	365	09/01/17	01/24/19						
		Grubb and Demolition	5	09/01/17	09/08/17						
		M3C08C-1000 Bridge C-1 (SR137 & Whitley) (C2-2810+00 to C2-2820+00), Clear & Grubb	5	09/01/17*	09/08/17						
		Structure	95	09/11/17	01/29/18						
		M3C08RW-100 Bridge C-1 (SR137 & Whitley), Start Work	0	09/11/17							
		M3C08RW-110 Bridge C-1 (SR137 & Whitley), Excavate	15	09/11/17	09/29/17						
		M3C08RW-120 Bridge C-1 (SR137 & Whitley), CIP Box Culvert & Wing Walls	80	10/02/17	01/29/18						
		Track	137	07/18/18	01/24/19						
		M3C08TE-110 Bridge C-1 (SR137 & Whitley) (C2-2810+00 to C2-2820+00), HST Track Comm...	5	07/18/18	07/24/18						
		M3C08TE-120 Bridge C-1 (SR137 & Whitley) (C2-2810+00 to C2-2820+00), HST Track Comm...	180	07/25/18	01/20/19						
		M3C08TE-130 Bridge C-1 (SR137 & Whitley) (C2-2810+00 to C2-2820+00), HST Track Subgrade	2	01/22/19	01/23/19						
		M3C08TE-140 Bridge C-1 (SR137 & Whitley) (C2-2810+00 to C2-2820+00), HST Track AC	1	01/24/19	01/24/19						
		C2-2820+00 to C2-2888+00	290	08/24/17	10/03/18						
		Grubb and Demolition	5	08/24/17	08/30/17						
		M3C09C-1000 C2-2820+00 to C2-2888+00, Clear & Grubb	5	08/24/17	08/30/17						
		RCBC & Irrigation Relocation	120	08/31/17	02/26/18						
		M3C09BC-100 Drainage @ C2-2821+00, Box Culvert, CIP Irrigation Culverts and Canal/Ditch ...	90	08/31/17	01/11/18						
		M3C09BC-110 Drainage @ C2-2821+00, Box Culvert, Precast Drainage Culverts	20	01/29/18	02/26/18						
		Track	189	01/12/18	10/03/18						
		M3C09TE-110 C2-2820+00 to C2-2888+00, HST Track Common Fill	38	01/12/18	03/08/18						
		M3C09TE-120 C2-2820+00 to C2-2888+00, HST Track Common Fill, Surcharge Wait	180	03/09/18	09/04/18						
		M3C09TE-130 C2-2820+00 to C2-2888+00, HST Track Subgrade	14	09/05/18	09/24/18						
		M3C09TE-140 C2-2820+00 to C2-2888+00, HST Track AC	7	09/25/18	10/03/18						
		C2-2888+00 to C2-2960+00	554	10/24/16	12/06/18						
		Grubb and Demolition	5	10/24/16	10/28/16						
		M3C10C-1000 C2-2888+00 to C2-2960+00, Clear & Grubb	5	10/24/16*	10/28/16						
		RCBC & Irrigation Relocation	330	01/11/17	05/03/18						
		M3C10BC-100 C2-2888+00 to C2-2960+00, CIP Irrigation Culverts and Canal/Ditch Work	80	01/11/17	05/04/17						
		M3C10BC-110 C2-2888+00 to C2-2960+00, Precast Drainage Culverts	30	03/23/18	05/03/18						
		Track	195	03/09/18	12/06/18						
		M3C10TE-110 C2-2888+00 to C2-2960+00, HST Track Common Fill	42	03/09/18	05/07/18						
		M3C10TE-120 C2-2888+00 to C2-2960+00, HST Track Common Fill, Surcharge Wait	180	05/08/18	11/03/18						
		M3C10TE-130 C2-2888+00 to C2-2960+00, HST Track Subgrade	14	11/05/18	11/27/18						
		M3C10TE-140 C2-2888+00 to C2-2960+00, HST Track AC	7	11/28/18	12/06/18						
		C2-2960+00 to C2-2996+00	203	04/05/17	01/12/18						
		Grubb and Demolition	5	04/05/17	04/11/17						
		M3C11C-1000 C2-2960+00 to C2-2996+00, Clear & Grubb	5	04/05/17	04/11/17						
		RCBC & Irrigation Relocation	10	04/26/17	05/09/17						
		M3C11BCA-110 C2-2960+00 to C2-2996+00, Precast Drainage Culverts	10	04/26/17	05/09/17						
		Track	198	04/12/17	01/12/18						
		M3C11TE-110 C2-2960+00 to C2-2996+00, HST Track Common Fill (FLOOD)	57	04/12/17	06/30/17						
		M3C11TE-120 C2-2960+00 to C2-2996+00, HST Track Common Fill, Surcharge Wait	180	07/01/17	12/27/17						
		M3C11TE-130 C2-2960+00 to C2-2996+00, HST Track Subgrade	7	12/28/17	01/08/18						

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish										
					2015		2016		2017		2018		2019	
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Detailed CPM Schedule

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Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016		2017		2018		2019	
		Grubb and Demolition		5	04/19/17	04/25/17									
		M3P03C-1000	Hesse Ave. (P-3165+00 to P-3175+00), Clear & Grubb	5	04/19/17	04/25/17									
		Structure (3 Span)		123	04/26/17	10/13/17									
		M3P03S-1020	Hesse Ave., Foundations	14	04/26/17	05/15/17									
		M3P03S-0001	Hesse Ave., Start Structure	0	04/26/17										
		M3P03S-1040	Hesse Ave., F/R/P Columns	40	05/16/17	07/12/17									
		M3P03S-1050	Hesse Ave., F/R/P Bent Caps	40	06/28/17	08/23/17									
		M3P03S-1080	Hesse Ave., Cure Concrete for Precast	21	08/24/17	09/13/17									
		M3P03S-1110	Hesse Ave., Place Precast Girders	4	09/14/17	09/19/17									
		M3P03S-1120	Hesse Ave., Deck Rebar/Forms & Pour	18	09/20/17	10/13/17									
		Access Road		64	10/23/17	01/26/18									
		M3P03S-1090	Hesse Ave., Build Embankments to Final Grade	28	10/23/17	12/04/17									
		M3P03S-1130	Hesse Ave., Deck & Road Pavements	27	12/05/17	01/12/18									
		M3P03S-1100	Hesse Ave., Hydroseed Embankments	5	12/05/17	12/11/17									
		M3P03S-1140	Hesse Ave., Landscape/Permanent BMPS/Fencing	23	12/22/17	01/26/18									
		M3P03S-9000	Hesse Ave., Open for Traffic & Ready for Track work	0		01/26/18									
		RCBC & Irrigation Relocation		192	10/23/17	07/30/18									
		M3P03BC-100	Hesse Ave. (P-3165+00 to P-3175+00), CIP Irrigation Culverts and Canal/Ditch ...	80	10/23/17	02/20/18									
		M3P03BC-110	Hesse Ave. (P-3165+00 to P-3175+00), Precast Drainage Culvert	2	07/27/18	07/30/18									
		Track		142	07/25/18	02/07/19									
		M3P03TE-110	Hesse Ave. (P-3165+00 to P-3175+00), HST Track Common Fill	5	07/25/18	07/31/18									
		M3P03TE-120	Hesse Ave. (P-3165+00 to P-3175+00), HST Track Common Fill, Surcharge Wait	180	07/31/18	01/26/19									
		M3P03TE-130	Hesse Ave. (P-3165+00 to P-3175+00), HST Track Subgrade	6	01/28/19	02/04/19									
		M3P03TE-140	Hesse Ave. (P-3165+00 to P-3175+00), HST Track AC	3	02/05/19	02/07/19									
		P-3175+00 to P-3233+00		388	10/24/16	04/18/18									
		Grubb and Demolition		5	10/24/16	10/28/16									
		M3P04C-1000	P-3175+00 to P-3233+00, Clear & Grubb	5	10/24/16	10/28/16									
		RCBC & Irrigation Relocation		173	01/11/17	09/15/17									
		M3P04BC-100	Drainage @ P-3186+40, CIP Irrigation Culverts and Canal/Ditch Work	100	01/11/17	06/02/17									
		M3P04BC-110	Drainage @ P-3186+40, Precast Drainage Culverts	20	08/18/17	09/15/17									
		Track		179	08/11/17	04/18/18									
		M3P04TE-110	P-3175+00 to P-3233+00HST Track Common Fill	31	08/11/17	09/25/17									
		M3P04TE-120	HST Track Common Fill, Surcharge Wait, P-3175+00 to P-3233+00	180	09/26/17	03/24/18									
		M3P04TE-130	HST Track Subgrade, P-3175+00 to P-3233+00	12	03/26/18	04/10/18									
		M3P04TE-140	HST Track AC, P-3175+00 to P-3233+00	6	04/11/18	04/18/18									
		P-3322+00 to P-3271+00		168	10/24/16	06/14/17									
		Grubb and Demolition		5	10/24/16	10/28/16									
		M3P05C-1000	P-3233+00 to P-3271+00, Clear & Grubb	5	10/24/16	10/28/16									
		RCBC & Irrigation Relocation		10	11/07/16	11/21/16									
		M3P05BC-110	P-3233+00 to P-3271+00, Precast Drainage Culverts	10	11/07/16	11/21/16									
		Track		163	10/31/16	06/14/17									
		M3P05TE-110	P-3233+00 to P-3271+00, HST Track Common Fill	20	10/31/16	11/30/16									
		M3P05TE-120	P-3233+00 to P-3271+00, HST Track Common Fill, Surcharge Wait	180	12/01/16	05/29/17									
		M3P05TE-130	P-3233+00 to P-3271+00, HST Track Subgrade	8	05/30/17	06/08/17									
		M3P05TE-140	P-3233+00 to P-3271+00, HST Track AC	4	06/09/17	06/14/17									
P-3271+00 to P-3340+00		452	10/24/16	07/17/18											
Grubb and Demolition		5	10/24/16	10/28/16											

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish										
					2015		2016		2017		2018		2019	
M3P06C-1000	P-3271+00 to P-3340+00, Clear & Grubb	5	10/24/16	10/28/16				I						
RCBC & Irrigation Relocation		219	01/11/17	11/21/17										
M3P06BC-100	Drainage @ P-3279+00, CIP Irrigation Culverts and Canal/Ditch Work	120	01/11/17	06/30/17										
M3P06BC-110	Drainage @ P-3279+00, Precast Drainage Culverts	30	10/10/17	11/21/17										
Track		211	09/26/17	07/17/18										
M3P06TE-110	P-3271+00 to P-3340+00, HST Track Common Fill	57	09/26/17	12/18/17										
M3P06TE-120	P-3271+00 to P-3340+00, HST Track Common Fill, Surcharge Wait	180	12/19/17	06/16/18										
M3P06TE-130	P-3271+00 to P-3340+00, HST Track Subgrade	14	06/18/18	07/06/18										
M3P06TE-140	P-3271+00 to P-3340+00, HST Track AC	7	07/09/18	07/17/18										
P-3340+00 to P-3430+00		287	10/12/17	11/16/18										
Grubb and Demolition		5	10/12/17	10/18/17										
M3P07C-1000	P-3340+00 to P-3430+00, Clear & Grubb	5	10/12/17	10/18/17										
RCBC & Irrigation Relocation		80	10/19/17	02/15/18										
M3P07BC-100	Drainage @ P-3354+50, CIP Irrigation Culverts and Canal/Ditch Work	40	10/19/17	12/18/17										
M3P07BC-110	Drainage @ P-3354+50, Precast Drainage Culverts	40	12/19/17	02/15/18										
Track		239	12/19/17	11/16/18										
M3P07TE-110	P-3340+00 to P-3430+00, HST Track Common Fill (FLOOD)	79	12/19/17	04/12/18										
M3P07TE-120	P-3340+00 to P-3430+00, HST Track Common Fill, Surcharge Wait	180	04/13/18	10/09/18										
M3P07TE-130	P-3340+00 to P-3430+00, HST Track Subgrade	18	10/10/18	11/02/18										
M3P07TE-140	P-3340+00 to P-3430+00, HST Track AC	9	11/05/18	11/16/18										
P-3430+00 to P-3440+00 (Ave 88)		395	08/03/17	02/06/19										
Grubb and Demolition		5	08/03/17	08/09/17										
M3P08C-1000	Ave 88. (Clear & Grubb, P-3430+00 to P-3440+00)	5	08/03/17	08/09/17										
Structure (3 Span)		126	08/10/17	02/01/18										
M3P08S-1020	Ave 88., Foundations	14	08/10/17	08/29/17										
M3P08S-0001	Ave 88., Start Structure	0	08/10/17											
M3P08S-1040	Ave 88., F/R/P Columns	40	08/24/17	10/19/17										
M3P08S-1050	Ave 88., F/R/P Bent Caps	40	09/08/17	11/02/17										
M3P08S-1080	Ave 88., Cure Concrete for Precast	21	11/03/17	11/23/17										
M3P08S-1110	Ave 88., Place Precast Girders	4	01/02/18	01/05/18										
M3P08S-1120	Ave 88., Deck Rebar/Forms & Pour	18	01/08/18	02/01/18										
Access Roads		80	12/05/17	03/30/18										
M3P08S-1090	Ave 88., Build Embankments to Final Grade	5	12/05/17	12/11/17										
M3P08S-1100	Ave 88., Hydroseed Embankments	5	12/12/17	12/18/17										
M3P08S-1130	Ave 88., Deck & Road Pavements	40	02/02/18	03/30/18										
M3P08S-1140	Ave 88., Landscape/Permanent BMPS/Fencing	20	03/05/18	03/30/18										
M3P08S-9000	Ave 88., Open for Traffic & Ready for Track work	0		03/30/18										
Track		136	08/01/18	02/06/19										
M3P08TE-110	P-3430+00 to P-3440+00, HST Track Common Fill	4	08/01/18	08/06/18										
M3P08TE-120	P-3430+00 to P-3440+00, HST Track Common Fill, Surcharge Wait	180	08/07/18	02/02/19										
M3P08TE-130	P-3430+00 to P-3440+00, HST Track Subgrade	2	02/04/19	02/05/19										
M3P08TE-140	P-3430+00 to P-3440+00, HST Track AC	1	02/06/19	02/06/19										
P-3440+00 to P-3459+00		147	04/06/18	10/29/18										
Grubb and Demolition		5	04/06/18	04/12/18										
M3P09C-1000	P-3440+00 to P-3459+00, Clear & Grubb	5	04/06/18	04/12/18										
RCBC & Irrigation Relocation		5	04/16/18	04/20/18										
M3P09BCA-110	Drainage @ P-3448+50, Precast Drainage Culvert	5	04/16/18	04/20/18										

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016	2017	2018	2019
		Track	142	04/13/18	10/29/18						
		M3P09TE-110	P-3440+00 to P-3459+00, HST Track Common Fill	7	04/13/18	04/23/18					
		M3P09TE-120	P-3440+00 to P-3459+00, HST Track Common Fill, Surcharge Wait	180	04/24/18	10/20/18					
		M3P09TE-130	P-3440+00 to P-3459+00, HST Track Subgrade	4	10/22/18	10/25/18					
		M3P09TE-140	P-3440+00 to P-3459+00, HST Track AC	2	10/26/18	10/29/18					
		Alignment A1	648	10/24/16	04/17/19						
		A1-3919+00 to A1-4005+00	197	04/17/18	01/16/19						
		Grubb and Demolition	5	04/17/18	04/23/18						
		M3A01C-1000	A1-3919+00 to A1-4005+00, Clear & Grubb	5	04/17/18	04/23/18					
		RCBC & Irrigation Relocation	20	05/01/18	05/29/18						
		M3A01BCA-110	A1-3919+00 to A1-4005+00, Precast Drainage Culverts	20	05/01/18	05/29/18					
		Track	192	04/24/18	01/16/19						
		M3A01TE-110	A1-3919+00 to A1-4005+00, HST Track Common Fill	35	04/24/18	06/12/18					
		M3A01TE-120	A1-3919+00 to A1-4005+00, HST Track Common Fill, Surcharge Wait	180	06/13/18	12/09/18					
		M3A01TE-130	A1-3919+00 to A1-4005+00, HST Track Subgrade	17	12/10/18	01/03/19					
		M3A01TE-140	A1-3919+00 to A1-4005+00, HST Track AC	9	01/04/19	01/16/19					
		A1-4005+00 to A1-4030+00	238	02/28/17	01/25/18						
		Grubb and Demolition	5	02/28/17	03/06/17						
		M3A02C-1000	A1-4005+00 to A1-4030+00, Clear & Grubb	5	02/28/17	03/06/17					
		Structure (1 Span)	70	03/07/17	06/13/17						
		M3A02S-110	A1-4005+00 to A1-4030+00, F/R/P Box Culver & Wing Walls	70	03/07/17	06/13/17					
		Track	199	04/24/17	01/25/18						
		M3A02TE-110	A1-4005+00 to A1-4030+00, HST Track Common Fill	59	04/24/17	07/17/17					
		M3A02TE-120	A1-4005+00 to A1-4030+00, HST Track Common Fill, Surcharge Wait	180	07/18/17	01/13/18					
		M3A02TE-130	A1-4005+00 to A1-4030+00, HST Track Subgrade	5	01/16/18	01/22/18					
		M3A02TE-140	A1-4005+00 to A1-4030+00, HST Track AC	3	01/23/18	01/25/18					
		Bridge A-3 (Stoil Spur Box Girder)	359	01/19/17	06/05/18						
		Grubb and Demolition	5	02/21/17	02/27/17						
		M3A03C-1000	Bridge A-2 (Stoil Spur Box Girder) (A1-4030+00 to A1-4044+00), Clear & Grubb	5	02/21/17*	02/27/17					
		Structure (12 Span)	359	01/19/17	06/05/18						
		M3A03S-0010	Bridge A-2 (Stoil Spur Box Girder), Foundation Testing	30	01/19/17	03/02/17					
		M3A03S-1010	Bridge A-2 (Stoil Spur Box Girder), Foundation	41	03/03/17	04/28/17					
		M3A03S-0001	Bridge A-2 (Stoil Spur Box Girder), Start Structure	0	03/03/17						
		M3A03S-1030	Bridge A-2 (Stoil Spur Box Girder), Wing Walls	28	05/01/17	06/08/17					
		M3A03S-1020	Bridge A-2 (Stoil Spur Box Girder), Abutments	16	08/03/17	08/24/17					
		M3A03S-1040	Bridge A-2 (Stoil Spur Box Girder), F/R/P Columns	55	08/25/17	11/13/17					
		M3A03S-1050	Bridge A-2 (Stoil Spur Box Girder), F/R/P Bent Caps	40	11/14/17	01/12/18					
		M3A03S-1080	Bridge A-2 (Stoil Spur Box Girder), Cure Concrete	21	01/13/18	02/02/18					
		M3A03S-1110	Bridge A-2 (Stoil Spur Box Girder), F/R/P CIP Girders	75	02/20/18	06/05/18					
		M3A03S-9000	Bridge A-2 (Stoil Spur Box Girder), Bridge complete	0		06/05/18					
		A1-4044+00 to A1-4060+00 (Truss Bridge)	425	08/24/17	04/10/19						
		Grubb and Demolition	5	08/24/17	08/30/17						
		M3A04C-1000	Bridge A-3 (Stoil Spur Truss) (A1-4044+00 to A1-4060+00), Clear & Grubb	5	08/24/17	08/30/17					
		Structure	92	08/31/17	01/05/18						
		M3A04S-1010	Bridge A-3 (Stoil Spur Truss), Foundation	8	08/31/17	09/12/17					
		M3A04S-0001	Bridge A-3 (Stoil Spur Truss), Start Structure	0	08/31/17						
		M3A04S-1030	Bridge A-3 (Stoil Spur Truss), Wing Wall	28	09/13/17	10/20/17					
		M3A04S-1020	Bridge A-3 (Stoil Spur Truss), Abutments	16	10/23/17	11/14/17					

Detailed CPM Schedule

Activity ID		Activity Name	OD	Start	Finish	2015		2016		2017		2018		2019	
		M3A04S-1080	Bridge A-3 (Stoil Spur Truss), Cure Concrete	21	11/15/17	12/05/17									
		M3A04S-1110	Bridge A-3 (Stoil Spur Truss), Place Truss	4	01/02/18	01/05/18									
		M3A04S-9000	Bridge A-3 (Stoil Spur Truss), Bridge complete	0		01/05/18									
		Track		177	08/07/18	04/10/19									
		M3A04TE-110	A1-4044+00 to A1-4060+00, HST Track Common Fill	40	08/07/18	10/02/18									
		M3A04TE-120	A1-4044+00 to A1-4060+00, HST Track Common Fill, Surcharge Wait	180	10/03/18	03/31/19									
		M3A04TE-130	A1-4044+00 to A1-4060+00, HST Track Subgrade	5	04/01/19	04/05/19									
		M3A04TE-140	A1-4044+00 to A1-4060+00, HST Track AC	3	04/08/19	04/10/19									
		A1-4060+00 to A1-4115+00		230	11/22/16	10/09/17									
		Grubb and Demolition		5	11/22/16	11/30/16									
		M3A05C-1000	A1-4060+00 to A1-4115+00, Clear & Grubb	5	11/22/16	11/30/16									
		RCBC & Irrigation Relocation		20	12/30/16	01/30/17									
		M3A05BCA-110	A1-4060+00 to A1-4115+00, Precast Drainage Culverts	20	12/30/16	01/30/17									
		Track		223	12/01/16	10/09/17									
		M3A05TE-110	A1-4060+00 to A1-4115+00, HST Track Common Fill	70	12/01/16	03/14/17									
		M3A05TE-120	A1-4060+00 to A1-4115+00, HST Track Common Fill, Surcharge Wait	180	03/15/17	09/10/17									
		M3A05TE-130	A1-4060+00 to A1-4115+00, HST Track Subgrade	14	09/11/17	09/28/17									
		M3A05TE-140	A1-4060+00 to A1-4115+00, HST Track ac	7	09/29/17	10/09/17									
		A1-4115+00 to A1-4125+00 (J22)		368	11/15/17	04/12/19									
		Grubb and Demolition		5	11/15/17	11/21/17									
		M3A06C-1000	J22 (A1-4115+00 TO A1-4125+00), Clear & Grubb	5	11/15/17	11/21/17									
		Structure (1 span)		74	11/22/17	03/05/18									
		M3A06S-1020	J22, Foundations	8	11/22/17	12/05/17									
		M3A06S-0001	J22, Start Structure	0	11/22/17										
		M3A06S-1040	J22, F/R/P Columns	20	12/06/17	01/04/18									
		M3A06S-1050	J22, F/R/P Bent Caps	20	12/28/17	01/26/18									
		M3A06S-1080	J22, Cure Concrete for Precast	21	01/27/18	02/16/18									
		M3A06S-1110	J22, Place Precast Girders	2	02/20/18	02/21/18									
		M3A06S-1120	J22, Deck Rebar/Forms & Pour	8	02/22/18	03/05/18									
		Access Roads		98	01/29/18	06/15/18									
		M3A06S-1090	J22, Build Embankments to Final Grade	63	01/29/18	04/26/18									
		M3A06S-1130	J22, Deck & Road Pavements	30	04/27/18	06/08/18									
		M3A06S-1100	J22, Hydroseed Embankments	5	04/27/18	05/03/18									
		M3A06S-1140	J22, Landscape/Permanent BMPS/Fencing	20	05/18/18	06/15/18									
		M3A06S-9000	J22, Open for Traffic & Ready for Track work	0		06/15/18									
		RCBC & Irrigation Relocation		85	06/11/18	10/09/18									
		M3A06BC-100	Irrigation @ A1-4115+50, CIP Irrigation Culverts and Canal/Ditch Work	80	06/11/18	10/02/18									
		M3A06BC-110	Irrigation @ A1-4115+50, Precast Drainage Culvert	5	10/03/18	10/09/18									
		Track		138	10/03/18	04/12/19									
		M3A06TE-110	J22 (A1-4115+00 TO A1-4125+00), HST Track Common Fill	6	10/03/18	10/10/18									
M3A06TE-120	J22 (A1-4115+00 TO A1-4125+00), HST Track Common Fill, Surcharge Wait	180	10/11/18	04/08/19											
M3A06TE-130	J22 (A1-4115+00 TO A1-4125+00), HST Track Subgrade	3	04/09/19	04/11/19											
M3A06TE-140	J22 (A1-4115+00 TO A1-4125+00), HST Track AC	1	04/12/19	04/12/19											
A1-4125+00 to A1-4170+00		272	10/24/16	11/07/17											
Grubb and Demolition		5	10/24/16	10/28/16											
M3A07C-1000	A1-4125+00 to A1-4170+00, Clear & Grubb	5	10/24/16	10/28/16											
RCBC & Irrigation Relocation		20	03/22/17	04/18/17											

Detailed CPM Schedule

Activity ID	Activity Name	OD	Start	Finish										
					2015		2016		2017		2018		2019	
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